

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2024

Version number 9 (replaces version 8)

Revision: 30.03.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**· **Trade name:** BENMAN ACRYLIC COLOR MATTE· **Article number:** 28528, 28529· **UFI:** SGVF-JW89-X52J-X68Y**1.2 Relevant identified uses of the substance or mixture and uses advised against***No further relevant information available.***Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· **Product category** Paint remover**Process category**

PROC7 Industrial spraying

PROC11 Non industrial spraying

· **Application of the substance / the mixture** Spray varnish**1.3 Details of the supplier of the safety data sheet**

FF GROUP TOOL INDUSTRIES S.A.

9 km Attiki Odos (Exit 4), 19300 Aspropyrgos

Attica, Greece

Tel.: +30 211 850 9500

Email: info@ffgroup-toolindustries.com

· **1.4 Emergency telephone number:** Ireland: +353 1 809 2166 (8am - 10pm, 7/7)

Malta: +356 2545 6508

European Emergency Number: 112 (ask for Poisons Information)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**· **Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements· **Labelling according to Regulation (EC) No 1272/2008***The product is classified and labelled according to the CLP regulation.*

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Hazard pictograms

GHS02 GHS07

Signal word *Danger***Hazard-determining components of labelling:**

acetone
ethyl acetate
n-butyl acetate
2-methoxy-1-methylethyl acetate

Hazard statements

H222-H229 *Extremely flammable aerosol. Pressurised container: May burst if heated.*
H319 *Causes serious eye irritation.*
H336 *May cause drowsiness or dizziness.*

Precautionary statements

P101 *If medical advice is needed, have product container or label at hand.*
P102 *Keep out of reach of children.*
P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P211 *Do not spray on an open flame or other ignition source.*
P251 *Do not pierce or burn, even after use.*
P260 *Do not breathe spray.*
P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*
P501 *Dispose of contents / container in accordance with regional regulations.*

Additional information:

EUH066 *Repeated exposure may cause skin dryness or cracking.*
Buildup of explosive mixtures possible without sufficient ventilation.
EUH211 *Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.*

2.3 Other hazards**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	20-<25%

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CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane (containing < 0,1 % butadiene (203-450-8)) ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8)) ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 9004-70-0	cellulose nitrate ⚠ Expl. 1.1, H201	<2.5%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119489379-17	titanium dioxide ⚠ Carc. 2, H351	≥1-<2.5%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38	butan-1-ol ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	≥1-<2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	<2.5%

Additional information:

CAS 9004-70-0: CLP Note T

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters -**
- **Protective equipment:** Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 2 B
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

67-64-1 acetone

OEL	Long-term value: 1210 mg/m ³ , 500 ppm
IOELV	

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115-10-6 dimethyl ether

OEL Long-term value: 1920 mg/m³, 1000 ppm
IOELV

141-78-6 ethyl acetate

OEL Short-term value: 1468 mg/m³, 400 ppm
Long-term value: 734 mg/m³, 200 ppm
IOELV

74-98-6 propane

OEL Asphx

123-86-4 n-butyl acetate

OEL Short-term value: 723 mg/m³, 150 ppm
Long-term value: 241 mg/m³, 50 ppm
IOELV

106-97-8 butane (containing < 0,1 % butadiene (203-450-8))

OEL Short-term value: 1000 ppm

108-65-6 2-methoxy-1-methylethyl acetate

OEL Short-term value: 550 mg/m³, 100 ppm
Long-term value: 275 mg/m³, 50 ppm
Sk, IOELV

75-28-5 isobutane (containing < 0,1 % butadiene (203-450-8))

OEL Short-term value: 1000 ppm

13463-67-7 titanium dioxide

OEL Long-term value: 10* 4** mg/m³
*total inhalable **respirable dust

71-36-3 butan-1-ol

OEL Long-term value: 20 ppm

67-63-0 propan-2-ol

OEL Short-term value: 400 ppm
Long-term value: 200 ppm
Sk

· DNELs**67-64-1 acetone**

Oral	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	2420 mg/m ³ (Worker, acute local)
	DNEL	1210 mg/m ³ (Worker, longterm systemic)
	DNEL	200 mg/m ³ (Consumer, longterm systemic)
	DNEL	60 mg/m ³

141-78-6 ethyl acetate

Oral	DNEL	4.5 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)

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	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)
123-86-4 n-butyl acetate		
Oral	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermal	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
	DNEL	6 mg/kg /per day (Consumer, acute systemic)
Inhalative	DNEL	300 mg/m ³ (Worker, longterm systemic)
	DNEL	600 mg/m ³ (Worker, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm local)
	DNEL	600 mg/m ³ (Worker, acute local)
	DNEL	35.7 mg/m ³ (Consumer, longterm systemic)
	DNEL	300 mg/m ³ (Consumer; acute systemic)
	DNEL	35.7 mg/m ³ (Consumer, longterm local)
108-65-6 2-methoxy-1-methylethyl acetate		
Dermal	DNEL	796 mg/kg /per day (Worker, longterm systemic)
	DNEL	320 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	275 mg/m ³ (Worker, longterm systemic)
	DNEL	33 mg/m ³ (Consumer, longterm systemic)
71-36-3 butan-1-ol		
Oral	DNEL	3.125 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	310 mg/m ³ (Worker, longterm local)
	DNEL	55 mg/m ³ (Consumer, longterm local)
67-63-0 propan-2-ol		
Oral	DNEL	26 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	888 mg/kg /per day (Worker, longterm systemic)
	DNEL	319 mg/kg /per day (Consumer, longterm systemic)
Inhalative	DNEL	500 mg/m ³ (Worker, longterm systemic)
	DNEL	89 mg/m ³ (Consumer, longterm systemic)

· PNECs**67-64-1 acetone**

PNEC	10.6 mg/l (Freshwater)
PNEC	1.06 mg/l (Seawater)
PNEC	21 mg/l (Sporadic release)
PNEC	100 mg/l (Sewage treatment plant)
PNEC	30.4 mg/kg (Freshwater sediment)
PNEC	3.04 mg/kg (Seawater sediment)
PNEC	29.5 mg/kg (Soil)

123-86-4 n-butyl acetate

PNEC	0.18 mg/l (Freshwater)
PNEC	0.018 mg/l (Seawater)
PNEC	0.36 mg/l (Sporadic release)
PNEC	35.6 mg/l (Sewage treatment plant)

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PNEC 0.981 mg/kg (Freshwater sediment)

PNEC 0.0981 mg/kg (Seawater sediment)

PNEC 0.0903 mg/kg (Soil)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC 0.635 mg/l (Freshwater)

PNEC 0.064 mg/l (Seawater)

PNEC 100 mg/l (Sewage treatment plant)

PNEC 3.29 mg/kg (Freshwater sediment)

PNEC 0.329 mg/kg (Seawater sediment)

PNEC 0.29 mg/kg (Soil)

71-36-3 butan-1-ol

PNEC 0.082 mg/l (Freshwater)

PNEC 0.0082 mg/l (Seawater)

PNEC 2.25 mg/l (Sporadic release)

PNEC 2476 mg/l (Sewage treatment plant)

PNEC 0.178 mg/kg (Freshwater sediment)

PNEC 0.0178 mg/kg (Seawater sediment)

PNEC 0.015 mg/kg (Soil)

67-63-0 propan-2-ol

PNEC 140.9 mg/l (Freshwater)

PNEC 140.9 mg/l (Seawater)

PNEC 140.9 mg/l (Sporadic release)

PNEC 2251 mg/l (Sewage treatment plant)

PNEC 552 mg/kg (Freshwater sediment)

PNEC 552 mg/kg (Seawater sediment)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Avoid contact with the eyes.

· **Respiratory protection:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A2/P3

· **Hand protection**



Protective gloves

· **Material of gloves**

Butyl rubber, BR

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

- **Eye/face protection**



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

· Physical state	Aerosol
· Colour:	Different according to colouring
· Odour:	Solvent-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Not applicable, as aerosol.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	2.6 Vol % (67-64-1 acetone)
· Upper:	26.2 Vol % (115-10-6 dimethyl ether)
· Flash point:	Not applicable, as aerosol.
· Auto-ignition temperature:	240 °C
· Decomposition temperature:	Not determined.
· pH	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	4000 hPa
· Density and/or relative density	
· Density at 20 °C:	0.7 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

- **9.2 Other information**

· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Not determined.
· Solvent content:	
· Organic solvents:	90.2 %

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· Water:	0.3 %
· VOC (EC)	---
	676.0 g/l
· VOC-EU%	90.20 %
· Solids content:	10.5 %
· Change in condition	
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
	LC50 / 96 h	5540 mg/l (oncorhynchus mykiss)

141-78-6 ethyl acetate

Oral	LD50	>18000 mg/kg (rab)
Dermal	LD50	5620 mg/kg (rat)
Inhalative	LC50 / 4 h	1600 mg/m3 (rat)

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123-86-4 n-butyl acetate

Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21 mg/m ³ (rat)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10000 mg/m ³ (rat)

71-36-3 butan-1-ol

Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalative	LC50 / 4 h	17000 mg/m ³ (rat)

67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalative	LC50	>25 mg/l (rat)

· **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

No irritant effect.

· **Serious eye damage/irritation** Causes serious eye irritation.· **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

No sensitising effects known.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** May cause drowsiness or dizziness.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.· **11.2 Information on other hazards**· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****67-64-1 acetone**

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 dimethyl ether

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

108-65-6 2-methoxy-1-methylethyl acetate

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss)

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71-36-3 butan-1-ol

LC50 / 96 h | 1376 mg/l (fish)

67-63-0 propan-2-ol

LC50/96h | 9640 mg/l (pimephales promelas; 96h)

LC50 / 24 h | 9714 mg/l (daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations


- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 04	metallic packaging

- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 2 5F Gases.

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· Label	2.1
· IMDG, IATA	
	
· Class	2.1 Gases.
· Label	2.1
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t

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Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

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- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

- **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Relevant phrases**

H201 Explosive; mass explosion hazard.

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

EUH066 Repeated exposure may cause skin dryness or cracking.

- **Classification according to Regulation (EC) No 1272/2008**

Data is based on internal technical data and technical data from suppliers.

Aerosols, Section 2.3.1

Bridging principles

Serious eye damage/irritation

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Version number of previous version: 8**

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

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Expl. 1.1: Explosives – Division 1.1
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

IE

**Sigurnosno-tehnički list
prema 1907/2006/EZ, Članak 31**

Nadnevak tiska: 19.01.2023

Broj verzije 9 (zamjenjuje verziju 8)

Revizija: 30.03.2022

ODJELJAK 1: Identifikacija tvari/smjese i podaci o društvu/poduzeću**1.1 Identifikacijska oznaka proizvoda**· **Naziv proizvoda:** BENMAN ACRYLIC COLOR MATTE· **Šifra proizvoda:** 28528, 28529· **UFI:** SGVF-JW89-X52J-X68Y**1.2 Utvrđene relevantne uporabe tvari ili smjese i uporabe koje se ne preporučuju**

Nema daljnjih bitnih informacija na raspolaganju.

Sektor uporabe

SU21 Potrošačke uporabe: Privatna kućanstva / šira javnost /potrošači

SU 22 Profesionalne uporabe: Javni sektor (administracija, obrazovanje, zabava, uslužne djelatnosti, obrtništvo)

· **Kategorija kemijskog proizvoda PC9a** Premazi i boje, razrjeđivači, uklanjači boje**Kategorija postupaka**

PROC7 Industrijsko raspršivanje

PROC11 Neindustrijsko raspršivanje

· **Uporaba tvari/pripravaka** lak za nanošenje prskanjem**1.3 Podaci o dobavljaču koji isporučuje sigurnosno-tehnički list**

FF GROUP TOOL INDUSTRIES S.A.

9 km Attiki Odos (Exit 4), 19300 Aspropyrgos

Attica, Greece

Tel.: +30 211 850 9500

Email: info@ffgroup-toolindustries.com

1.4 Broj telefona za izvanredna stanja

Broj telefona za medicinske informacije: +385 1 2348 342 (Centar za kontrolu otrovanja, Institut za medicinska istraživanja i medicinu rada)

ODJELJAK 2: Identifikacija opasnosti**2.1 Razvrstavanje tvari ili smjese**· **Razvrstavanje u skladu s Uredbom (EZ) br. 1272/2008**

GHS02 plamen

Aerosol 1 H222-H229 Vrlo lako zapaljivi aerosol. Spremnik pod tlakom: može se rasprsnuti ako se grije.



GHS07

Nadraž. oka 2 H319 Uzrokuje jako nadraživanje oka.

TCOJ 3. H336 Može izazvati pospanost ili vrtoglavicu.

(Nastavak na strani 2)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 1)

· **2.2 Elementi označavanja**

· **Označavanje sukladno Uredbi (EZ) br. 1272/2008**

Proizvod je razvrstan i označen sukladno Uredbi o razvrstavanju, označavanju i pakiranju.

· **Piktogrami opasnosti**



GHS02 GHS07

· **Oznaka opasnosti Opasnost**

· **Oznake koje označavaju opasnost:**

Aceton

Etil-acetat

n-Butil-acetat

2-Metoksi-1-metil-etil-acetat

· **Oznake upozorenja**

H222-H229 Vrlo lako zapaljivi aerosol. Spremnik pod tlakom: može se rasprsnuti ako se grije.

H319 Uzrokuje jako nadraživanje oka.

H336 Može izazvati pospanost ili vrtoglavicu.

· **Oznake obavijesti**

P101 Ako je potrebna liječnička pomoć pokazati spremnik ili naljepnicu

P102 Čuvati izvan dohvata djece.

P210 Čuvati odvojeno od topline, vrućih površina, iskri, otvorenog plamena i drugih izvora paljenja. Ne pušiti.

P211 Ne prskati u otvoreni plamen ili drugi izvor paljenja.

P251 Ne bušiti, niti paliti čak niti nakon uporabe.

P260 Ne udisati aerosol.

P410+P412 Zaštititi od sunčevog svjetla. Ne izlagati temperaturi višoj od 50 °C.

P501 Odložite sadržaj / spremnik u skladu s nacionalnim odredbama.

· **Dodatni podaci:**

EUH066 Ponavljano izlaganje može prouzročiti sušenje ili pucanje kože.

Bez dostatnog provjetravanja moguć je nastanak smjesa koje mogu eksplodirati.

EUH211 Upozorenje! Pri prskanju mogu nastati opasne respirabilne kapljice. Ne udisati aerosol ni maglicu.

· **2.3 Ostale opasnosti**

· **Rezultati PBT- i vPvB procjena**

· **PBT:** Ne primjenjuje se.

· **vPvB:** Ne primjenjuje se.

ODJELJAK 3: Sastav/informacije o sastojcima

· **3.2 Smjese**

· **Opis:** Smjesa od sljedećih navedenih materijala s neopasnim primjesama.

· **Sastojci koji pridonose opasnosti proizvoda:**

CAS: 67-64-1 EINECS: 200-662-2 Broj indeksa: 606-001-00-8 Broj registracije: 01-2119471330-49	Aceton ⚠ Zap. tek. 2, H225 ⚠ Nadraž. oka 2, H319; TCOJ 3., H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Broj indeksa: 603-019-00-8 Broj registracije: 01-2119472128-37	Dimetil-eter ⚠ Zap. plin 1 A, H220 plin p. tlak. (stlač. plin.), H280	20-<25%

(Nastavak na strani 3)

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(Nastavak sa strane 2)

CAS: 141-78-6 EINECS: 205-500-4 Broj indeksa: 607-022-00-5 Broj registracije: 01-2119475103-46	Etil-acetat ⚠ Zap. tek. 2, H225 ⚠ Nadraž. oka 2, H319; TCOJ 3., H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Broj indeksa: 601-003-00-5 Broj registracije: 01-2119486944-21	Propan ⚠ Zap. plin 1 A, H220 plin p. tlak. (stlač. plin.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Broj indeksa: 607-025-00-1 Broj registracije: 01-2119485493-29	n-Butil-acetat ⚠ Zap. tek. 3, H226 ⚠ TCOJ 3., H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Broj indeksa: 601-004-00-0 Broj registracije: 01-2119474691-32	butan (sadrži < 0.1 % butadiena (203-450-8)) ⚠ Zap. plin 1 A, H220 plin p. tlak. (stlač. plin.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Broj indeksa: 601-004-00-0 Broj registracije: 01-2119485395-27	izobutan (sadrži < 0.1 % butadiena (203-450-8)) ⚠ Zap. plin 1 A, H220 plin p. tlak. (stlač. plin.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Broj indeksa: 607-195-00-7 Broj registracije: 01-2119475791-29	2-Metoksi-1-metil-etil-acetat ⚠ Zap. tek. 3, H226 ⚠ TCOJ 3., H336	2,5-<5%
CAS: 9004-70-0	Nitroceluloza ⚠ Eksp. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 Broj indeksa: 022-006-00-2 Broj registracije: 01-2119489379-17	Titanov dioksid ⚠ Karc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 Broj indeksa: 603-004-00-6 Broj registracije: 01-2119484630-38	Butan-1-ol; n-butanol ⚠ Zap. tek. 3, H226 ⚠ Ozlj. oka 1, H318 ⚠ Ak. toks. 4, H302; Nadraž. koža 2., H315; TCOJ 3., H335-H336	<2,5%
CAS: 67-63-0 EINECS: 200-661-7 Broj indeksa: 603-117-00-0 Broj registracije: 01-2119457558-25	Propan-2-ol; izopropil-alkohol; izopropanol ⚠ Zap. tek. 2, H225 ⚠ Nadraž. oka 2, H319; TCOJ 3., H336	<2,5%

· Dodatne informacije:

CAS 9004-70-0: CLP Napomena T

Tekst navedenih napomena o opasnostima nalazi se u 16. odjeljku.

ODJELJAK 4: Mjere prve pomoći

Mjere za pružanje prve pomoći:

(Nastavak na strani 4)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 3)

- **4.1 Opis mjera prve pomoći**
- **Nakon udisanja:** Dotok svježeg zraka, u slučaju smetnji potražiti liječničku pomoć.
- **Nakon dodira s kožom:** Proizvod općenito ne nadražuje kožu.
- **Nakon dodira s očima:**
Isprati oči tekućom vodom nekoliko minuta. Oči prilikom ispiranja moraju biti otvorene. U slučaju trajnih smetnji savjetovati se s liječnikom.
- **Nakon gutanja:** Piti puno vode i omogućiti dotok svježeg zraka. Bez odlaganja pozvati liječnika.
- **Upute za liječnika:**
Pri prebacivanju otrovane osobe u bolnicu sa sobom ponijeti uputu o medicinskoj skrbi za otrovanje lako hlapivim otapalima.
- **4.2 Najvažniji simptomi i učinci, akutni i odgođeni** Nema daljnjih bitnih informacija na raspolaganju.
- **4.3 Navod o potrebi za hitnom liječničkom pomoći i posebnom obradom**
Nema daljnjih bitnih informacija na raspolaganju.

ODJELJAK 5: Mjere za suzbijanje požara

- **5.1 Sredstva za gašenje**
- **Prikladna:** Uskladiti mjere gašenja požara s okolinom.
- **5.2 Posebne opasnosti koje proizlaze iz tvari ili smjese**
Kod zagrijavanja ili u slučaju požara nastajanje otrovnih plinova.
- **5.3 Savjeti za gasitelje požara**
Gašenjem požara u zatvorenim prostorijama, koristiti samostalni uređaj za disanje s otvorenim krugom sa stlačenim zrakom (HRN EN 137), komplet za zaštitu tijela od isijavanja topline (vatrootporno odjelo).
- **Posebna oprema za zaštitu vatrogasaca:** Stavite uređaj za zaštitu disanja.

ODJELJAK 6: Mjere kod slučajnog ispuštanja

- **6.1 Osobne mjere opreza, zaštitna oprema i postupci za izvanredna stanja**
Omogućiti dostatno provjetranje.
Staviti uređaj za zaštitu disanja
Nositi zaštitnu opremu. Nezaštićene osobe držati podalje.
Držati podalje izvore zapaljenja.
- **6.2 Mjere zaštite okoliša** Ne smije dospjeti u kanalizaciju/površinske vode/podzemne vode.
- **6.3 Metode i materijal za sprečavanje širenja i čišćenje**
Kontaminirani materijal zbrinuti kao otpad prema odjeljku 13.
Voditi brigu da bude dostatno provjetreno.
- **6.3.1 Za ograđivanje, prekrivanje, začepljivanje** Nema podataka
- **6.3.2 Za čišćenje**
Proizvod mehaničkim putem pokupiti i predati ovlaštenoj pravnoj osobi za zbrinjavanje opasnog otpada.
- **6.3.3 Ostale informacije** Nema podataka
- **6.4 Uputa na druge odjeljke**
Informacije o sigurnom rukovanju vidi odjeljak 7.
Informacije o osobnoj zaštitnoj opremi vidi odjeljak 8.
Informacije o zbrinjavanju vidi odjeljak 13.

ODJELJAK 7: Rukovanje i skladištenje

- **7.1 Mjere opreza za sigurno rukovanje**
Voditi brigu o dobroj provjetrenosti/isisavanju na radnom mjestu.
Zabranjeno pušenje, te držanje hrane i pića u prostorijama u kojima se rukuje ovim proizvodima. Nositi propisano radno odijelo, zaštitne rukavice i naočale. Osobnu odjeću treba držati odvojeno od radne odjeće i radnog mjesta.
- **Upute za zaštitu od požara i eksplozije:**
Ne prskati u plamen ili po zažarenim predmetima.
Izvore paljenja držati podalje - ne pušiti.

(Nastavak na strani 5)

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(Nastavak sa strane 4)

Imati u pripravi uređaje za zaštitu disanja.

- 7.2 Uvjeti sigurnog skladištenja, uzimajući u obzir moguće inkompatibilnosti
- Skladištenje:
- Zahtjevi koje skladišni prostori i spremnici moraju ispunjavati:
Trebalo se pridržavati propisa nadležnih organa o skladištenju pakovanja plina pod pritiskom.
- Upute za zajedničko skladištenje: Nepotrebno.
- Dodatne informacije o uvjetima skladištenja: Spremnici moraju biti nepropusno zatvoreni.
- Klasa skladišta: 2 B
- 7.3 Posebna krajnja uporaba ili uporabe Nema daljnjih bitnih informacija na raspolaganju.

ODJELJAK 8: Nadzor nad izloženosti/osobna zaštita

· 8.1 Nadzorni parametri

· Nadzor izloženosti na radnom mjestu:

67-64-1 Aceton

GVI Dugotrajna vrijednost: 1210 mg/m³, 500 ppm

115-10-6 Dimetil-eter

GVI Dugotrajna vrijednost: 1920 mg/m³, 1000 ppm

141-78-6 Etil-acetat

GVI Kratkotrajna vrijednost: 1468 mg/m³, 400 ppm
Dugotrajna vrijednost: 734 mg/m³, 200 ppm

123-86-4 n-Butil-acetat

GVI Kratkotrajna vrijednost: 723 mg/m³, 150 ppm
Dugotrajna vrijednost: 241 mg/m³, 50 ppm

106-97-8 butan (sadrži < 0.1 % butadiena (203-450-8))

GVI Kratkotrajna vrijednost: 1810 mg/m³, 750 ppm
Dugotrajna vrijednost: 1450 mg/m³, 600 ppm

108-65-6 2-Metoksi-1-metil-etil-acetat

GVI Kratkotrajna vrijednost: 550 mg/m³, 100 ppm
Dugotrajna vrijednost: 275 mg/m³, 50 ppm
koža

13463-67-7 Titanov dioksid

GVI Dugotrajna vrijednost: 10* 4** ppm
*ukupna prašina; **respirabilna prašina

71-36-3 Butan-1-ol; n-butanol

GVI Kratkotrajna vrijednost: 154 mg/m³, 50 ppm
koža

67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol

GVI Kratkotrajna vrijednost: 1250 mg/m³, 500 ppm
Dugotrajna vrijednost: 999 mg/m³, 400 ppm

· DNEL vrijednosti

Prijevod engleskih naziva se nalazi u odjeljku 16.

67-64-1 Aceton

Oralno	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermalno	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Inhalativno	DNEL	2420 mg/m ³ (Worker, acute local)
	DNEL	1210 mg/m ³ (Worker, longterm systemic)
	DNEL	200 mg/m ³ (Consumer, longterm systemic)

(Nastavak na strani 6)

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(Nastavak sa strane 5)

	DNEL	60 mg/m ³
141-78-6 Etil-acetat		
Oralno	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Dermalno	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Inhalativno	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)
123-86-4 n-Butil-acetat		
Oralno	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermalno	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
	DNEL	6 mg/kg /per day (Consumer, acute systemic)
Inhalativno	DNEL	300 mg/m ³ (Worker, longterm systemic)
	DNEL	600 mg/m ³ (Worker, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm local)
	DNEL	600 mg/m ³ (Worker, acute local)
	DNEL	35,7 mg/m ³ (Consumer, longterm systemic)
	DNEL	300 mg/m ³ (Consumer; acute systemic)
	DNEL	35,7 mg/m ³ (Consumer, longterm local)
108-65-6 2-Metoksi-1-metil-etil-acetat		
Dermalno	DNEL	796 mg/kg /per day (Worker, longterm systemic)
	DNEL	320 mg/kg /per day (Consumer, longterm systemic)
Inhalativno	DNEL	275 mg/m ³ (Worker, longterm systemic)
	DNEL	33 mg/m ³ (Consumer, longterm systemic)
71-36-3 Butan-1-ol; n-butanol		
Oralno	DNEL	3,125 mg/kg /per day (Consumer, longterm systemic)
Inhalativno	DNEL	310 mg/m ³ (Worker, longterm local)
	DNEL	55 mg/m ³ (Consumer, longterm local)
67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol		
Oralno	DNEL	26 mg/kg /per day (Consumer, longterm systemic)
Dermalno	DNEL	888 mg/kg /per day (Worker, longterm systemic)
	DNEL	319 mg/kg /per day (Consumer, longterm systemic)
Inhalativno	DNEL	500 mg/m ³ (Worker, longterm systemic)
	DNEL	89 mg/m ³ (Consumer, longterm systemic)

• PNEC vrijednosti

Prijevod engleskih naziva se nalazi u odjeljku 16.

67-64-1 Aceton

PNEC 10,6 mg/l (Freshwater)

(Nastavak na strani 7)

**Sigurnosno-tehnički list
prema 1907/2006/EZ, Članak 31**

Nadnevak tiska: 19.01.2023

Broj verzije 9 (zamjenjuje verziju 8)

Revizija: 30.03.2022

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 6)

PNEC 1,06 mg/l (Seawater)
 PNEC 21 mg/l (Sporadic release)
 PNEC 100 mg/l (Sewage treatment plant)
 PNEC 30,4 mg/kg (Freshwater sediment)
 PNEC 3,04 mg/kg (Seawater sediment)
 PNEC 29,5 mg/kg (Soil)

123-86-4 n-Butil-acetat

PNEC 0,18 mg/l (Freshwater)
 PNEC 0,018 mg/l (Seawater)
 PNEC 0,36 mg/l (Sporadic release)
 PNEC 35,6 mg/l (Sewage treatment plant)
 PNEC 0,981 mg/kg (Freshwater sediment)
 PNEC 0,0981 mg/kg (Seawater sediment)
 PNEC 0,0903 mg/kg (Soil)

108-65-6 2-Metoksi-1-metil-etil-acetat

PNEC 0,635 mg/l (Freshwater)
 PNEC 0,064 mg/l (Seawater)
 PNEC 100 mg/l (Sewage treatment plant)
 PNEC 3,29 mg/kg (Freshwater sediment)
 PNEC 0,329 mg/kg (Seawater sediment)
 PNEC 0,29 mg/kg (Soil)

71-36-3 Butan-1-ol; n-butanol

PNEC 0,082 mg/l (Freshwater)
 PNEC 0,0082 mg/l (Seawater)
 PNEC 2,25 mg/l (Sporadic release)
 PNEC 2476 mg/l (Sewage treatment plant)
 PNEC 0,178 mg/kg (Freshwater sediment)
 PNEC 0,0178 mg/kg (Seawater sediment)
 PNEC 0,015 mg/kg (Soil)

67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol

PNEC 140,9 mg/l (Freshwater)
 PNEC 140,9 mg/l (Seawater)
 PNEC 140,9 mg/l (Sporadic release)
 PNEC 2251 mg/l (Sewage treatment plant)
 PNEC 552 mg/kg (Freshwater sediment)
 PNEC 552 mg/kg (Seawater sediment)

· Sastavni dijelovi s biološkim graničnim vrijednostima:**67-64-1 Aceton**

BGV 20,0 mg/l
 Biološki uzorak: krv
 Vrijeme uzorkovanja: na kraju radne smjene
 Karakteristični pokazatelj: aceton

20,0 mg/g kreatinina
 Biološki uzorak: mokraća
 Vrijeme uzorkovanja: na kraju radne smjene
 Karakteristični pokazatelj: aceton

(Nastavak na strani 8)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 7)

67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol

BGV 50 mg/l

Biološki uzorak: krv

Vrijeme uzorkovanja: na kraju radne smjene

Karakteristični pokazatelj: aceton

50 mg/l

Biološki uzorak: mokraća

Vrijeme uzorkovanja: na kraju radne smjene

Karakteristični pokazatelj: aceton

· **Dodatne informacije:** Kao osnova su služili popisi, koji su bili važeći u trenutku izrade.

· **8.2 Nadzor nad izloženošću**

· **Prikladan tehnički nadzor** Nema daljnjih podataka, vidi odjeljak 7.

· **Osobne mjere zaštite, kao što je osobna zaštitna oprema**

· **Opće zaštitne i higijenske mjere:**

Držati dalje od živežnih namirnica, pića i krme.

Odmah skinuti zamazanu i tekućinom natopljenu odjeću.

Prije pauze i kraja radnog vremena oprati ruke.

ne udisati plinove/pare/aerosole.

Izbjegavati dodir s očima i kožom.

Izbjegavati dodir s očima.

· **Zaštitu dišnog sustava**



Prilikom kratkotrajnog ili neznatnog opterećenja koristiti uređaj za disanje s filtrom; u slučaju intenzivnog, odnosno dužeg izlaganja koristiti uređaj za zaštitu disanja koji je neovisan od okolnog zraka.

Filtar A2/P3

· **Zaštita ruku:**



Zaštitne rukavice

Zaštitne rukavice od gume ili PVC, kemijski otporne, prema normi HRN EN ISO 374

· **Materijal za rukavice**

Butil-kaučuk

Odabir prikladnih rukavica ovisi ne samo o materijalu, već i o drugim obilježjima kvalitete i različit je od proizvođača do proizvođača.

· **Vrijeme prodiranja materijala za rukavice**

Butilne gumene rukavice debljine 0,4mm su otporne na:

Aceton: 480min

Butil-acetat: 60min

Etil-acetat: 170min

Ksilen: 42min

Rukavice od butilne gume debljine 0,4 mm otporne su na otapala 42- 480 minuta. Kao zaštitnu mjeru preporučujemo da korisnici i odgovorne osobe za sigurnost na radu pretpostave otpornost na otapala od 42 minute. Uzimajući u obzir podatke iz odjeljka 3. ovog STL-a, u pojedinim se slučajevima može pretpostaviti veća duljina otpora.

· **Zaštitu očju/lica**



Zaštitne naočale, koje nepropustno naliježu

Naziv proizvoda: **BENMAN ACRYLIC COLOR MATTE**

(Nastavak sa strane 8)

ODJELJAK 9: Fizikalna i kemijska svojstva

9.1 Informacije o osnovnim fizikalnim i kemijskim svojstvima

· Opće informacije	Aerosol
· Agregatno stanje	Različit, ovisno o obojenju
· Boja:	Poput otapala
· Miris:	Nije određeno.
· Prag mirisa:	Neodređen.
· Talište/ledište:	Nije primjenjiv, s obzirom da je aerosol.
· Vrelište ili početno vrelište i raspon temperatura vrenja	Nije primjenjiv.
· Zapaljivost	
· Donja i gornja granica eksplozivnosti	
· Donja:	2,6 Vol % (67-64-1 Aceton)
Gornja:	26,2 Vol % (115-10-6 Dimetil-eter)
· Plamište:	Nije primjenjiv, s obzirom da je aerosol.
· Temperatura paljenja:	240 °C
· Temperatura raspadanja	Nije određeno.
· pH	Smjesa je netopiva (u vodi).
· Viskoznost:	
· Kinematička viskoznost	Nije određeno.
dinamička:	Nije određeno.
· Topljivost	
· vodom:	Ne može se miješati, odnosno može se miješati vrlo malo.
· Koeficijent raspodjele n-oktanol/voda (logaritamska vrijednost)	Nije određeno.
· Tlak pare kod 20 °C:	4000 hPa
· Gustoća i/ili relativna gustoća	
· Gustoća kod 20 °C:	0,7 g/cm ³
· Relativna gustoća	Nije određeno.
· Gustoća pare	Nije određeno.

9.2 Ostale informacije

· Izgled:	
· Oblik:	Aerosol
· Podaci važni za zdravlje, sigurnost i okoliš	
· Eksplozivna svojstva:	Nije određeno.
· Koncentracija otapala:	
organska otapala:	90,2 %
voda:	0,3 %
· Sadržaj hlapivog	..
	676,0 g/l
· VOC-EU%	90,20 %
· Koncentracija čvrstog tijela:	10,5 %
· Promjena stanja	
· Brzina isparavanja	Nije primjenjiv.

Informacije o razredima fizikalne opasnosti

· Eksplozivni	poništava
· Zapaljivi plinovi	poništava
· Aerosoli	Vrlo lako zapaljivi aerosol. Spremnik pod tlakom: može se rasprsnuti ako se grije.
· Oksidirajući plinovi	poništava
· Plinovi pod tlakom	poništava
· Zapaljive tekućine	poništava
· Zapaljive krute tvari	poništava
· Samoreagirajuće tvari i smjese	poništava

(Nastavak na strani 10)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 9)

· Piroforne tekućine	poništava
· Piroforne krute tvari	poništava
· Samozagrijavajuće tvari i smjese	poništava
· Tvari i smjese koje u dodiru s vodom ispuštaju zapaljive plinove	poništava
· Oksidirajuće tekućine	poništava
· Oksidirajuće krute tvari	poništava
· Organski peroksidi	poništava
· Tvari ili smjese nagrizaajuće za metale	poništava
· Desenzitirani eksplozivni	poništava

ODJELJAK 10: Stabilnost i reaktivnost

- **10.1 Reaktivnost** Nema daljnjih bitnih informacija na raspolaganju.
- **10.2 Kemijska stabilnost**
- **Termičko raspadanje / Uvjeti koje treba izbjegavati:** Ne rastvara se kod predviđene uporabe.
- **10.3 Mogućnost opasnih reakcija** Nisu poznate opasne reakcije.
- **10.4 Uvjeti koje treba izbjegavati** Nema daljnjih bitnih informacija na raspolaganju.
- **10.5 Inkompatibilni materijali** Nema daljnjih bitnih informacija na raspolaganju.
- **10.6 Opasni proizvodi raspadanja** Nisu poznati nikakvi opasni proizvodi rastvaranja.

ODJELJAK 11: Toksikološke informacije

- **11.1 Informacije o razredima opasnosti kako su definirani u Uredbi (EZ) br. 1272/2008**
- **Akutna toksičnost** Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.

· **LD/LC50-vrijednosti koje su relevantne za stupnjevanje:**

67-64-1 Aceton

Oralno	LD50	5800 mg/kg (štakor)
Dermalno	LD50	>15800 mg/kg (zec)
Inhalativno	LC50 / 4h	76 mg/l (štakor)

141-78-6 Etil-acetat

Oralno	LD50	>18000 mg/kg (zec)
Dermalno	LD50	5620 mg/kg (štakor)
Inhalativno	LC50 / 4 h	1600 mg/m ³ (štakor)

123-86-4 n-Butil-acetat

Oralno	LD50	10800 mg/kg (štakor) (OECD 401)
Dermalno	LD50	>17600 mg/kg (zec)
Inhalativno	LC50 / 4 h	>21 mg/m ³ (štakor)

108-65-6 2-Metoksi-1-metil-etil-acetat

Oralno	LD50	8530 mg/kg (štakor)
Dermalno	LD50	>5000 mg/kg (zec)
Inhalativno	LC50 / 4 h	>10000 mg/m ³ (štakor)

71-36-3 Butan-1-ol; n-butanol

Oralno	LD50	2292 mg/kg (štakor)
Dermalno	LD50	3430 mg/kg (zec)
Inhalativno	LC50 / 4 h	17000 mg/m ³ (štakor)

67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol

Oralno	LD50	5840 mg/kg (štakor)
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(Nastavak na strani 11)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 10)

Dermalno	LD50	13900 mg/kg (zec)
Inhalativno	LC50	>25 mg/l (štakor) LC 50: 6h

- **Nagrizanje/nadraživanje kože**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
Ne nadražuje.
- **Teško oštećivanje ili nadraživanje očiju** Uzrokuje jako nadraživanje oka.
- **Izazivanje preosjetljivosti dišnih putova ili kože**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
Nije poznato sezibilizirajuće djelovanje.
- **Mutageni učinak na zametne stanice**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
- **Karcinogenost** Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
- **Reproduktivna toksičnost**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
- **STOT – jednokratno izlaganje** Može izazvati pospanost ili vrtoglavicu.
- **STOT – ponavljano izlaganje**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
- **Opasnost od aspiracije**
Temeljem dostupnih podataka razvidno je da nisu ispunjeni kriteriji za razvrstavanje.
- **11.2 Informacije o drugim opasnostima**

· **Svojstva endokrine disrupcije**

Nijedan sastojak nije na popisu

ODJELJAK 12: Ekološke informacije

· **12.1 Toksičnost**

· **Akvatična toksičnost:**

67-64-1 Aceton

LC50/96h	8300 mg/l (Ribe)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 Dimetil-eter

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (Ribe)

108-65-6 2-Metoksi-1-metil-etil-acetat

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 Butan-1-ol; n-butanol

LC50 / 96 h	1376 mg/l (Ribe)
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67-63-0 Propan-2-ol; izopropil-alkohol; izopropanol

LC50/96h	9640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9714 mg/l (daphnia magna)

- **12.2 Postojanost i razgradivost** Nema daljnjih bitnih informacija na raspolaganju.
- **12.3 Bioakumulacijski potencijal** Nema daljnjih bitnih informacija na raspolaganju.
- **12.4 Pokretljivost u tlu** Nema daljnjih bitnih informacija na raspolaganju.
- **12.5 Rezultati procjene svojstava PBT i vPvB**
- **PBT:** Nije primjenjiv.
- **vPvB:** Nije primjenjiv.
- **12.6 Svojstva endokrine disrupcije** Proizvod ne sadrži tvari s endokrinološkim poremećajima.

(Nastavak na strani 12)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 11)

· **12.7 Ostali štetni učinci**

· **Daljnje ekološke upute:**

· **Opće upute:**

Klasa zagađenja vode 1 (Samostupnjevanje): slabo zagađuje vodu

Ne dopustiti da nerazrijeđen, odn. u većim količinama dopije u podzemne vode, vodu ili kanalizaciju.

ODJELJAK 13: Zbrinjavanje

· **13.1 Metode obrade otpada**

· **Preporuka:** Ne smije se zbrinjavati zajedno s komunalnim otpadom. Ne smije dospjeti u kanalizaciju.

· **Onečišćena ambalaža:**

Predati na zbrinjavanje pravnim osobama ovlaštenim od ministarstva nadležnog za zaštitu okoliša.

· **Preporuka:**

Odlaganje shodno propisima nadležnih organa.

Odlaganje shodno propisima nadležnih organa.

ODJELJAK 14: Informacije o prijevozu

· **14.1 UN broj ili identifikacijski broj**

· **ADR, IMDG, IATA**

UN1950

· **14.2 Ispravno otpremno ime prema UN-u**

· **ADR**

1950 AEROSOLI

· **IMDG**

AEROSOLI

AEROSOLS

· **IATA**

AEROSOL, zapaljivo

AEROSOLS, flammable

· **14.3 Razred(i) opasnosti pri prijevozu**

· **ADR**



· **Klasa**

2 5F plinovi

· **Popis opasnosti**

2.1

· **IMDG, IATA**



· **Klasa**

2.1 plinovi

· **Popis opasnosti**

2.1

· **14.4 Skupina pakiranja**

· **ADR, IMDG, IATA**

poništava

· **14.5 Opasnosti za okoliš**

Nije primjenjiv.

· **14.6 Posebne mjere opreza za korisnika**

Upozorenje: plinovi

· **Oznaka opasnosti (Kemler-broj):**

-

· **EMS-broj:**

F-D,S-U

· **Kod skladištenja**

SW1 Zaštićeno od izvora topline.

SW22 Za AEROSOLE s maksimalnim kapacitetom od 1 litre: Kategorija A.

Za AEROSOLE s kapacitetom iznad 1 litre:

(Nastavak na strani 13)

Sigurnosno-tehnički list
prema 1907/2006/EZ, Članak 31

Nadnevak tiska: 19.01.2023

Broj verzije 9 (zamjenjuje verziju 8)

Revizija: 30.03.2022

Naziv proizvoda: **BENMAN ACRYLIC COLOR MATTE**

(Nastavak sa strane 12)

- **Kod segregacije**

Kategorija B.
ZA OTPADNE AEROSOLE: Kategorija C.
SG69 Za AEROSOLE s maksimalnim kapacitetom od 1litre: Segregacija kao i za klasu 9.
Smjestiti "odvojene" od klase 1, osim podjele 1.4.
Za AEROSOLE s kapacitetom većim od 1 litre:
Segregacija kao za odgovarajuću podjelu klase 2.
ZA OTPADNE AEROSOLE: Segregacija kao za odgovarajuću podjelu klase 2.

- **14.7 Prijevoz morem u razlivenom stanju u skladu s instrumentima IMO-a**

Nije primjenjiv.

- **Transport/daljnji podaci:**

- **ADR**

- **Ograničene količine**

IL

- **Izuzete količine (EQ)**

Oznaka: E0

Nije dopušteno prevoziti kao izuzete količine

- **Prijevozna kategorija**

2

- **Tunelska restriksijska oznaka**

D

- **IMDG**

- **Ograničene količine (LQ)**

IL

- **Izuzete količine (EQ)**

Code: E0

Not permitted as Excepted Quantity

Oznaka: E0

Nije dopušteno prevoziti kao izuzete količine.

- **UN "Regulacija modela":**

UN 1950 AEROSOLI, 2.1

ODJELJAK 15: Informacije o propisima

- **15.1 Propisi u području sigurnosti, zdravlja i okoliša/posebno zakonodavstvo za tvar ili smjesu**

- **Direktiva 2012/18/EU**

- **Imena opasnih tvari – PRILOG I** Nijedan sastojak nije na popisu

- **Seveso kategorije P3a ZAPALJIVI AEROSOLI**

- **Propisana količina (u tonama) za primjenu - zahtjeva niže razine 150 t**

- **Propisana količina (u tonama) za primjenu - zahtjeva više razine 500 t**

- **UREDBA (EZ) br. 1907/2006 PRILOG XVII.** Uvjeti ograničenja: 3

- **Direktiva 2011/65/EU o ograničenju uporabe određenih opasnih tvari u električnoj i elektroničkoj opremi - Prilog II.**

Nijedan sastojak nije na popisu

- **Nacionalna regulativa:**

- Zakon o kemikalijama

- Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima

- Zakon o zaštiti na radu

- Zakon o provedbi Uredbe CLP

- Zakon o provedbi Uredbe CLP nadopuna

- Zakon o provedbi Uredbe REACH

- Zakon o provedbi Uredbe REACH izmjene

- Zakon o zaštiti na radu

- Zakon o prijevozu opasnih tvari

- Zakon o gospodarenju otpadom

(Nastavak na strani 14)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 13)

· **Ostale odredbe, ograničenja i zabrane**

· **Tvari vrlo visokog rizika (SVHC) u skladu s REACH, članak 57**

Nijedan sastojak nije na popisu

· **15.2 Procjena kemijske sigurnosti** Nije izvršena procjena sigurnosti tvari.

ODJELJAK 16: Ostale informacije

Podaci počivaju na današnjoj razini naših znanja, međutim ne predstavljaju nikakvo jamstvo o osobinama materijala i ne zasnivaju nikakav ugovorni pravni odnos.

· **Značenje oznaka upozorenja:**

H201 Eksplozivno; opasnost od eksplozije ogromnih razmjera.

H220 Vrlo lako zapaljivi plin.

H225 Lako zapaljiva tekućina i para.

H226 Zapaljiva tekućina i para.

H280 Sadrži stlačeni plin; zagrijavanje može uzrokovati eksploziju

H302 Štetno ako se proguta.

H315 Nadražuje kožu.

H318 Uzrokuje teške ozljede oka.

H319 Uzrokuje jako nadraživanje oka.

H335 Može nadražiti dišni sustav.

H336 Može izazvati pospanost ili vrtoglavicu.

H351 Sumnja na moguće uzrokovanje raka.

EUH066 Ponavljano izlaganje može prouzročiti sušenje ili pucanje kože.

· **Broj prethodne verzije: 8**

· **Skraćenice i kratice:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Hrvatski prijevod kratice:

REACH: Registracija, evaluacija, autorizacija i ograničavanje kemikalija

RID: Uredbe koje se tiču međunarodnog prijevoza opasnih tvari željeznicom

IATA-DGR: IATA Propis o opasnim robama

ICAO: Organizacija međunarodnog civilnog zrakoplovstva

ADR: Europski sporazum o međunarodnom prijevozu opasnih tvari u cestovnom prometu

IMDG: Međunarodni prijevoz opasnih tvari morem

IATA: Međunarodna udruga zračnih prijevoznika

ADN: Europski sporazum o međunarodnom prijevozu opasnih tvari unutarnjim vodenim putovima

GHS: Globalno usklađeni sustav razvrstavanja i označivanja kemikalija

EINECS: Europski registar postojećih trgovačkih kemijskih tvari

ELINCS: Europski popis prijavljenih kemijskih tvari

CAS: Chemical Abstracts Service (Služba za sažetke i ostale informacije iz područja kemije)

VOC (HOS): Hlapivi organski spoj

GVI: Granična vrijednost izloženosti

KGVI: Kratkotrajna granična vrijednost izloženosti

LC50 Letalna koncentracija za 50% ispitivanih organizama

LD50 Letalna doza za 50% ispitivanih organizama (srednja smrtna doza)

CMR: Karcinogen, mutagen, reproduktivno toksičan

DNEL: Izvedeni nivo bez učinka

PNEC: Predviđene koncentracije s učinkom

PBT: Perzistentno, bioakumulativno, toksično

vPvB: vrlo perzistentno i vrlo bioakumulativno

(Nastavak na strani 15)

Naziv proizvoda: BENMAN ACRYLIC COLOR MATTE

(Nastavak sa strane 14)

*Hrvatski prijevod odjeljak 8:**Consumer, acute local: Korisnik, akutni lokalni**Consumer, acute systemic: Korisnik, akutni sistemski**Consumer, longterm local: Korisnik, kronični lokalni**Consumer, longterm systemic: Korisnik, kronični sistemski**Worker, acute local: Radnik, akutni lokalni**Worker, acute systemic: Radnik, akutni sistemski**Worker, longterm local: Radnik, kronični lokalni**Worker, longterm systemic: Radnik, kronični sistemski**Per day: dnevno**Freshwater: Slatkovodni**Freshwater sediment: Slatkovodni sediment**Seawater: Morska voda**Seawater sediment: Morski sedimenti**Soil: Tlo**Sporadic release: Sporadično ispuštanje**Sewage treatment plant: Postrojenje za pročišćavanje otpadnih voda**Ekspl. 1.1: Eksplozivni – Odjeljak 1.1**Zap. plin 1 A: Zapaljivi plinovi – 1A. kategorija**Aerosol 1: Aerosoli – 1. kategorija**plin p. tlak. (stlač. plin.): Plinovi pod tlakom – Stlačeni plin**Zap. tek. 2: Zapaljive tekućine – 2. kategorija**Zap. tek. 3: Zapaljive tekućine – 3. kategorija**Ak. toks. 4: Akutna toksičnost – 4. kategorija**Nadraž. koža 2.: Nagrizanje/nadraživanje za kožu – Kategorija 2**Ozlj. oka 1: Teške ozljede oka/nadražujuće za oko – 1. kategorija**Nadraž. oka 2: Teške ozljede oka/nadražujuće za oko – 2. kategorija**Karc. 2: Karcinogenost – 2. kategorija**TCOJ 3.: Specifična toksičnost za ciljane organe (jednokratno izlaganje) – 3. kategorija**** Podaci koji su promijenjeni u odnosu na prethodnu verziju**

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SEZIONE 1: Identificazione della sostanza/miscela e della società/impresa**1.1 Identificatore del prodotto****Denominazione commerciale:** **BENMAN ACRYLIC COLOR MATTE****Articolo numero:** 28528, 28529**UFI:** SGVF-JW89-X52J-X68Y**1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**

Non sono disponibili altre informazioni.

Settore d'uso

SU21 Usi di consumo: nuclei familiari / popolazione in generale / consumatori

SU22 Usi professionali: settore pubblico (amministrazione, istruzione, intrattenimento, servizi, artigianato)

Categoria dei prodotti PC9a Rivestimenti e vernici, diluenti, sverniciatori**Categoria dei processi**

PROC7 Applicazioni a spruzzo industriali

PROC11 Applicazioni a spruzzo non industriali

Utilizzazione della Sostanza / del Preparato Vernice a spruzzo**1.3 Informazioni sul fornitore della scheda di dati di sicurezza**

FF GROUP TOOL INDUSTRIES S.A.

9 km Attiki Odos (Exit 4), 19300 Aspropyrgos

Attica, Greece

Tel.: +30 211 850 9500

Email: info@ffgroup-toolindustries.com

1.4 Numero telefonico di emergenza:

Centro antiveleni, Azienda ospedaliera "Antonio Cardarelli", via Antonio Cardarelli 9, Napoli - Tel. 0815453333

Centro antiveleni, Azienda ospedaliera universitaria Careggi, U.O. Tossicologia medica, via Largo Brambilla 3, Firenze - Tel. 055 7947819

Centro antiveleni, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione, via Salvatore Maugeri 10, Pavia - Tel. 0382 24444

Centro antiveleni, Azienda ospedaliera Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano - Tel. 02 66101029

Centro antiveleni, Azienda ospedaliera "Papa Giovanni XXIII", Tossicologia clinica, Dipartimento di farmacia clinica e farmacologia, piazza OMS 1, Bergamo - Tel. 800 883300

Centro antiveleni Policlinico "Umberto I", PRGM tossicologia d'urgenza, viale del Policlinico 155, Roma - Tel. 06 49978000

Centro antiveleni del Policlinico "Agostino Gemelli", Servizio di tossicologia clinica, largo Agostino Gemelli 8, Roma - Tel. 06 3054343

Centro antiveleni, Azienda ospedaliera universitaria Riuniti, viale Luigi Pinto 1, Foggia - Tel. 800 183459

Centro antiveleni, Ospedale pediatrico Bambino Gesù, Dipartimento emergenza e accettazione DEA, piazza Sant'Onofrio 4, Roma - Tel. 0668593726

Centro antiveleni dell'Azienda ospedaliera universitaria integrata (AOUI) di Verona sede di Borgo Trento, piazzale Aristide Stefani, 1 - 37126 Verona - Tel. 800 011858

SEZIONE 2: Identificazione dei pericoli**2.1 Classificazione della sostanza o della miscela****Classificazione secondo il regolamento (CE) n. 1272/2008**

GHS02 fiamma

Aerosol 1 H222-H229 Aerosol altamente infiammabile. Contenitore pressurizzato: può esplodere se riscaldato.



GHS07

Eye Irrit. 2 H319 Provoca grave irritazione oculare.

STOT SE 3 H336 Può provocare sonnolenza o vertigini.

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· **2.2 Elementi dell'etichetta**

· **Etichettatura secondo il regolamento (CE) n. 1272/2008**

Il prodotto è classificato ed etichettato conformemente al regolamento CLP.

· **Pittogrammi di pericolo**



GHS02 GHS07

· **Avvertenza Pericolo**

· **Componenti pericolosi che ne determinano l'etichettatura:**

acetone

acetato di etile

acetato di n-butile

acetato di 1-metil-2-metossietile

· **Indicazioni di pericolo**

H222-H229 Aerosol altamente infiammabile. Contenitore pressurizzato: può esplodere se riscaldato.

H319 Provoca grave irritazione oculare.

H336 Può provocare sonnolenza o vertigini.

· **Consigli di prudenza**

P101 In caso di consultazione di un medico, tenere a disposizione il contenitore o l'etichetta del prodotto.

P102 Tenere fuori dalla portata dei bambini.

P210 Tenere lontano da fonti di calore, superfici riscaldate, scintille, fiamme e altre fonti di innesco. Vietato fumare.

P211 Non vaporizzare su una fiamma libera o altra fonte di accensione.

P251 Non perforare né bruciare, neppure dopo l'uso.

P260 Non respirare gli aerosol.

P410+P412 Proteggere dai raggi solari. Non esporre a temperature superiori a 50 °C.

P501 Smaltire il prodotto / recipiente in conformità con le disposizioni regionali.

· **Ulteriori dati:**

EUH066 L'esposizione ripetuta può provocare secchezza o screpolature della pelle.

Una insufficiente areazione del locale potrebbe dar luogo alla formazione di miscele esplosive.

EUH211 Attenzione! In caso di vaporizzazione possono formarsi goccioline respirabili pericolose. Non respirare i vapori o le nebbie.

· **2.3 Altri pericoli**

· **Risultati della valutazione PBT e vPvB**

· **PBT:** Non applicabile.

· **vPvB:** Non applicabile.

SEZIONE 3: Composizione/informazioni sugli ingredienti

· **3.2 Miscela**

· **Descrizione:** Miscela delle seguenti sostanze con additivi non pericolosi.

· **Sostanze pericolose:**

CAS: 67-64-1 EINECS: 200-662-2 Numero indice: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Numero indice: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimetiletere Flam. Gas 1A, H220 Press. Gas (Comp.), H280	20-<25%

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CAS: 141-78-6 EINECS: 205-500-4 Numero indice: 607-022-00-5 Reg.nr.: 01-2119475103-46	acetato di etile Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Numero indice: 601-003-00-5 Reg.nr.: 01-2119486944-21	propano Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Numero indice: 607-025-00-1 Reg.nr.: 01-2119485493-29	acetato di n-butile Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Numero indice: 601-004-00-0 Reg.nr.: 01-2119474691-32	butano Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Numero indice: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutano Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Numero indice: 607-195-00-7 Reg.nr.: 01-2119475791-29	acetato di 1-metil-2-metossietile Flam. Liq. 3, H226 STOT SE 3, H336	2,5-<5%
CAS: 9004-70-0	nitrocellulosa Expl. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 Numero indice: 022-006-00-2 Reg.nr.: 01-2119489379-17	diossido di titanio Carc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 Numero indice: 603-004-00-6 Reg.nr.: 01-2119484630-38	butan-1-olo Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2,5%
CAS: 67-63-0 EINECS: 200-661-7 Numero indice: 603-117-00-0 Reg.nr.: 01-2119457558-25	2-propanolo Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	<2,5%

· Ulteriori indicazioni:

CAS 9004-70-0: CLP Note T

Il testo dell'avvertenza dei pericoli citati può essere appreso dal capitolo 16

SEZIONE 4: Misure di primo soccorso**· 4.1 Descrizione delle misure di primo soccorso**· **Inalazione:** Portare in zona ben areata, in caso di disturbi consultare il medico.· **Contatto con la pelle:** Generalmente il prodotto non è irritante per la pelle.· **Contatto con gli occhi:**

Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte. Se persiste il dolore consultare il medico.

· **Ingestione:**

Bere abbondante acqua e sostare in zona ben areata. Richiedere immediatamente l'intervento del medico.

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- **4.2 Principali sintomi ed effetti, sia acuti che ritardati** Non sono disponibili altre informazioni.
- **4.3 Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**
Non sono disponibili altre informazioni.

SEZIONE 5: Misure di lotta antincendio

- **5.1 Mezzi di estinzione**
- **Mezzi di estinzione idonei:** Adottare provvedimenti antiincendio nei dintorni della zona colpita.
- **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela**
Se riscaldato o in caso di incendio il prodotto sviluppa fumi tossici.
- **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi -**
- **Mezzi protettivi specifici:** Indossare il respiratore.

SEZIONE 6: Misure in caso di rilascio accidentale

- **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**
Garantire una ventilazione sufficiente.
Indossare il respiratore.
Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.
Allontanare fonti infiammabili.
- **6.2 Precauzioni ambientali:**
Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.
- **6.3 Metodi e materiali per il contenimento e per la bonifica:**
Smaltimento del materiale contaminato conformemente al punto 13.
Provvedere ad una sufficiente areazione.
- **6.4 Riferimento ad altre sezioni**
Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.
Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.
Per informazioni relative allo smaltimento vedere Capitolo 13.

SEZIONE 7: Manipolazione e immagazzinamento

- **7.1 Precauzioni per la manipolazione sicura** Accurata ventilazione/aspirazione nei luoghi di lavoro.
- **Indicazioni in caso di incendio ed esplosione:**
Non vaporizzare su una fiamma o su corpo incandescente.
Tenere lontano da fonti di calore, non fumare.
Tener pronto il respiratore.
- **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**
- **Stoccaggio:**
- **Requisiti dei magazzini e dei recipienti:**
Osservare le disposizioni amministrative relative allo stoccaggio di spray.
- **Indicazioni sullo stoccaggio misto:** Non necessario.
- **Ulteriori indicazioni relative alle condizioni di immagazzinamento:**
Mantenere i recipienti ermeticamente chiusi.
- **Classe di stoccaggio:** 2 B
- **7.3 Usi finali particolari** Non sono disponibili altre informazioni.

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SEZIONE 8: Controlli dell'esposizione/della protezione individuale

· 8.1 Parametri di controllo

· Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:

67-64-1 acetone

TWA Valore a breve termine: 1781 mg/m³, (750) ppm
 Valore a lungo termine: 1187 mg/m³, (500) ppm
 A4, IBE

VL Valore a lungo termine: 1210 mg/m³, 500 ppm

115-10-6 dimetiletere

VL Valore a lungo termine: 1920 mg/m³, 1000 ppm

141-78-6 acetato di etile

TWA Valore a lungo termine: 1441 mg/m³, 400 ppm

VL Valore a breve termine: 1468 mg/m³, 400 ppm
 Valore a lungo termine: 734 mg/m³, 200 ppm

74-98-6 propano

TWA Valore a lungo termine: 1000 ppm

123-86-4 acetato di n-butile

TWA Valore a breve termine: 950 mg/m³, 200 ppm
 Valore a lungo termine: 713 mg/m³, 150 ppm

VL Valore a breve termine: 723 mg/m³, 150 ppm
 Valore a lungo termine: 241 mg/m³, 50 ppm

106-97-8 butano

TWA Valore a lungo termine: 1000 ppm

75-28-5 isobutano

TWA Valore a lungo termine: 1000 ppm

108-65-6 acetato di 1-metil-2-metossietile

VL Valore a breve termine: 550 mg/m³, 100 ppm
 Valore a lungo termine: 275 mg/m³, 50 ppm
 Cute

13463-67-7 diossido di titanio

TWA Valore a lungo termine: 10 mg/m³
 A4

71-36-3 butan-1-olo

TWA Valore a lungo termine: 61 mg/m³, 20 ppm

67-63-0 2-propanolo

TWA Valore a breve termine: 983 mg/m³, 400 ppm
 Valore a lungo termine: 492 mg/m³, 200 ppm
 A4

· DNEL

67-64-1 acetone

Orale DNEL 62 mg/kg /per day (Consumer, longterm systemic)

Cutaneo DNEL 62 mg/kg /per day (Consumer, longterm systemic)

DNEL 186 mg/kg /per day (Worker, longterm systemic)

Per inalazione DNEL 2420 mg/m³ (Worker, acute local)

DNEL 1210 mg/m³ (Worker, longterm systemic)

DNEL 200 mg/m³ (Consumer, longterm systemic)

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	DNEL	60 mg/m ³
141-78-6 acetato di etile		
Orale	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Cutaneo	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Per inalazione	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)
123-86-4 acetato di n-butile		
Orale	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Cutaneo	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
Per inalazione	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
	DNEL	6 mg/kg /per day (Consumer, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm systemic)
	DNEL	600 mg/m ³ (Worker, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm local)
	DNEL	600 mg/m ³ (Worker, acute local)
	DNEL	35,7 mg/m ³ (Consumer, longterm systemic)
	DNEL	300 mg/m ³ (Consumer; acute systemic)
DNEL	35,7 mg/m ³ (Consumer, longterm local)	
108-65-6 acetato di 1-metil-2-metossietile		
Cutaneo	DNEL	796 mg/kg /per day (Worker, longterm systemic)
	DNEL	320 mg/kg /per day (Consumer, longterm systemic)
Per inalazione	DNEL	275 mg/m ³ (Worker, longterm systemic)
	DNEL	33 mg/m ³ (Consumer, longterm systemic)
71-36-3 butan-1-olo		
Orale	DNEL	3,125 mg/kg /per day (Consumer, longterm systemic)
Per inalazione	DNEL	310 mg/m ³ (Worker, longterm local)
	DNEL	55 mg/m ³ (Consumer, longterm local)
67-63-0 2-propanolo		
Orale	DNEL	26 mg/kg /per day (Consumer, longterm systemic)
Cutaneo	DNEL	888 mg/kg /per day (Worker, longterm systemic)
	DNEL	319 mg/kg /per day (Consumer, longterm systemic)
Per inalazione	DNEL	500 mg/m ³ (Worker, longterm systemic)
	DNEL	89 mg/m ³ (Consumer, longterm systemic)
· PNEC		
67-64-1 acetone		
PNEC		10,6 mg/l (Freshwater)

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PNEC 1,06 mg/l (Seawater)
 PNEC 21 mg/l (Sporadic release)
 PNEC 100 mg/l (Sewage treatment plant)
 PNEC 30,4 mg/kg (Freshwater sediment)
 PNEC 3,04 mg/kg (Seawater sediment)
 PNEC 29,5 mg/kg (Soil)

123-86-4 acetato di n-butile

PNEC 0,18 mg/l (Freshwater)
 PNEC 0,018 mg/l (Seawater)
 PNEC 0,36 mg/l (Sporadic release)
 PNEC 35,6 mg/l (Sewage treatment plant)
 PNEC 0,981 mg/kg (Freshwater sediment)
 PNEC 0,0981 mg/kg (Seawater sediment)
 PNEC 0,0903 mg/kg (Soil)

108-65-6 acetato di 1-metil-2-metossietile

PNEC 0,635 mg/l (Freshwater)
 PNEC 0,064 mg/l (Seawater)
 PNEC 100 mg/l (Sewage treatment plant)
 PNEC 3,29 mg/kg (Freshwater sediment)
 PNEC 0,329 mg/kg (Seawater sediment)
 PNEC 0,29 mg/kg (Soil)

71-36-3 butan-1-olo

PNEC 0,082 mg/l (Freshwater)
 PNEC 0,0082 mg/l (Seawater)
 PNEC 2,25 mg/l (Sporadic release)
 PNEC 2476 mg/l (Sewage treatment plant)
 PNEC 0,178 mg/kg (Freshwater sediment)
 PNEC 0,0178 mg/kg (Seawater sediment)
 PNEC 0,015 mg/kg (Soil)

67-63-0 2-propanolo

PNEC 140,9 mg/l (Freshwater)
 PNEC 140,9 mg/l (Seawater)
 PNEC 140,9 mg/l (Sporadic release)
 PNEC 2251 mg/l (Sewage treatment plant)
 PNEC 552 mg/kg (Freshwater sediment)
 PNEC 552 mg/kg (Seawater sediment)

Componenti con valori limite biologici:**67-64-1 acetone**

IBE 50 mg/l
 Campioni: urine
 Momento del prelievo: a fine turno
 Indicatore biologico: acetone

67-63-0 2-propanolo

IBE 40 mg/l
 Campioni: urine
 Momento del prelievo: f.t.f.s.l
 Indicatore biologico: acetone

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· **Ulteriori indicazioni:** Le liste valide alla data di compilazione sono state usate come base.

· **8.2 Controlli dell'esposizione**

· **Controlli tecnici idonei** Nessun dato ulteriore, vedere punto 7.

· **Misure di protezione individuale, quali dispositivi di protezione individuale**

· **Norme generali protettive e di igiene del lavoro:**

Tenere lontano da cibo, bevande e foraggi.

Togliere immediatamente gli abiti contaminati.

Lavarsi le mani prima dell'intervallo o a lavoro terminato.

Non inalare gas/vapori/aerosol.

Evitare il contatto con gli occhi e la pelle.

Evitare il contatto con gli occhi.

· **Protezione respiratoria**



Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.

Filtro A2/P3

· **Protezione delle mani**



Guanti protettivi

· **Materiale dei guanti**

Gomma butilica

La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro.

· **Tempo di permeazione del materiale dei guanti**

Guanti in gomma butilica con uno spessore di 0,4 mm sono resistenti a:

Acetone: 480 min

butile acetato: 60 min

acetato di etile: 170 min

Xilene: 42 min

I guanti di gomma butilica con uno spessore di 0,4 mm sono resistenti ai solventi per 42-480 minuti. Come misura di protezione, si consiglia agli utenti e alle persone responsabili della sicurezza sul lavoro di assumere una durata di resistenza ai solventi di 42 minuti. Considerando i dati della sezione 3 di questa SDS, si può ipotizzare una maggiore lunghezza di resistenza in casi particolari.

· **Protezione degli occhi/del volto**



Occhiali protettivi a tenuta

SEZIONE 9: Proprietà fisiche e chimiche

· **9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali**

· **Indicazioni generali**

· **Stato fisico**

Aerosol

· **Colore:**

Vario a seconda della colorazione

· **Odore:**

Di solvente

· **Soglia olfattiva:**

Non definito.

· **Punto di fusione/punto di congelamento:**

Non definito.

· **Punto di ebollizione o punto di ebollizione iniziale e intervallo di ebollizione**

Non applicabile a causa di aerosol.

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· Infiammabilità	Non applicabile.
· Limite di esplosività inferiore e superiore	
· Inferiore:	2,6 Vol % (67-64-1 acetone)
· Superiore:	26,2 Vol % (115-10-6 dimetiletere)
· Punto di infiammabilità:	Non applicabile a causa di aerosol.
· Temperatura di accensione:	240 °C
· Temperatura di decomposizione:	Non definito.
· ph	La miscela non è solubile (in acqua).
· Viscosità:	
· Viscosità cinematica	Non definito.
· Dinamica:	Non definito.
· Solubilità	
· acqua:	Poco e/o non miscibile.
· Coefficiente di ripartizione n-ottanolo/acqua (valore logaritmico)	Non definito.
· Tensione di vapore a 20 °C:	4000 hPa
· Densità e/o densità relativa	
· Densità a 20 °C:	0,7 g/cm ³
· Densità relativa	Non definito.
· Densità di vapore:	Non definito.

· 9.2 Altre informazioni	
· Aspetto:	
· Forma:	Aerosol
· Informazioni importanti sulla protezione della salute e dell'ambiente nonché della sicurezza	
· Proprietà esplosive:	Non definito.
· Tenore del solvente:	
· Solventi organici:	90,2 %
· Acqua:	0,3 %
· VOC (CE)	--
	676,0 g/l
· VOC-EU%	90,20 %
· Contenuto solido:	10,5 %
· Cambiamento di stato	
· Velocità di evaporazione	Non applicabile.

· Informazioni relative alle classi di pericoli fisici	
· Esplosivi	non applicabile
· Gas infiammabili	non applicabile
· Aerosol	Aerosol altamente infiammabile. Contenitore pressurizzato: può esplodere se riscaldato.
· Gas comburenti	non applicabile
· Gas sotto pressione	non applicabile
· Liquidi infiammabili	non applicabile
· Solidi infiammabili	non applicabile
· Sostanze e miscele autoreattive	non applicabile
· Liquidi piroforici	non applicabile
· Solidi piroforici	non applicabile
· Sostanze e miscele autoriscaldanti	non applicabile
· Sostanze e miscele che emettono gas infiammabili a contatto con l'acqua	non applicabile
· Liquidi comburenti	non applicabile
· Solidi comburenti	non applicabile
· Perossidi organici	non applicabile
· Sostanze o miscele corrosive per i metalli	non applicabile

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· **Esplosivi desensibilizzati**

non applicabile

SEZIONE 10: Stabilità e reattività

- **10.1 Reattività** Non sono disponibili altre informazioni.
- **10.2 Stabilità chimica**
- **Decomposizione termica/ condizioni da evitare:**
 Il prodotto non si decompone se utilizzato secondo le norme.
- **10.3 Possibilità di reazioni pericolose** Non sono note reazioni pericolose.
- **10.4 Condizioni da evitare** Non sono disponibili altre informazioni.
- **10.5 Materiali incompatibili:** Non sono disponibili altre informazioni.
- **10.6 Prodotti di decomposizione pericolosi:** Non sono noti prodotti di decomposizione pericolosi.

SEZIONE 11: Informazioni tossicologiche

- **11.1 Informazioni sulle classi di pericolo definite nel regolamento (CE) n. 1272/2008**
- **Tossicità acuta** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

· **Valori LD/LC50 rilevanti per la classificazione:**

67-64-1 acetone

Orale	LD50	5800 mg/kg (rat)
Cutaneo	LD50	>15800 mg/kg (rabbit)
Per inalazione	LC50 / 4h	76 mg/l (rat)

141-78-6 acetato di etile

Orale	LD50	>18000 mg/kg (rab)
Cutaneo	LD50	5620 mg/kg (rat)
Per inalazione	LC50 / 4 h	1600 mg/m3 (rat)

123-86-4 acetato di n-butile

Orale	LD50	10800 mg/kg (rat) (OECD 401)
Cutaneo	LD50	>17600 mg/kg (rabbit)
Per inalazione	LC50 / 4 h	>21 mg/m3 (rat)

108-65-6 acetato di 1-metil-2-metossietile

Orale	LD50	8530 mg/kg (rat)
Cutaneo	LD50	>5000 mg/kg (rabbit)
Per inalazione	LC50 / 4 h	>10000 mg/m3 (rat)

71-36-3 butan-1-olo

Orale	LD50	2292 mg/kg (rat)
Cutaneo	LD50	3430 mg/kg (rabbit)
Per inalazione	LC50 / 4 h	17000 mg/m3 (rat)

67-63-0 2-propanolo

Orale	LD50	5840 mg/kg (rat)
Cutaneo	LD50	13900 mg/kg (rabbit)
Per inalazione	LC50	>25 mg/l (rat)

- **Corrosione cutanea/irritazione cutanea**
 Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
 Non ha effetti irritanti.
- **Gravi danni oculari/irritazione oculare** Provoca grave irritazione oculare.

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- **Sensibilizzazione respiratoria o cutanea**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
Non si conoscono effetti sensibilizzanti.
- **Mutagenicità sulle cellule germinali**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Cancerogenicità** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità per la riproduzione** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione singola**
Può provocare sonnolenza o vertigini.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Pericolo in caso di aspirazione**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **11.2 Informazioni su altri pericoli**

· **Proprietà di interferenza con il sistema endocrino**

Nessuno dei componenti è contenuto.

SEZIONE 12: Informazioni ecologiche

· **12.1 Tossicità**

· **Tossicità acquatica:**

67-64-1 acetone

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 dimetiletere

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

108-65-6 acetato di 1-metil-2-metossietile

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 butan-1-olo

LC50 / 96 h	1376 mg/l (fish)
-------------	------------------

67-63-0 2-propanolo

LC50/96h	9640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9714 mg/l (daphnia magna)

- **12.2 Persistenza e degradabilità** Non sono disponibili altre informazioni.
- **12.3 Potenziale di bioaccumulo** Non sono disponibili altre informazioni.
- **12.4 Mobilità nel suolo** Non sono disponibili altre informazioni.
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** Non applicabile.
- **vPvB:** Non applicabile.
- **12.6 Proprietà di interferenza con il sistema endocrino**
Il prodotto non contiene sostanze con proprietà dannose per il sistema endocrinale.
- **12.7 Altri effetti avversi**
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**
Pericolosità per le acque classe I (D) (Autoclassificazione): poco pericoloso

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Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature non diluito o in grandi quantità.

SEZIONE 13: considerazioni sullo smaltimento

- **13.1 Metodi di trattamento dei rifiuti**
- **Consigli:** Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.

· **Catalogo europeo dei rifiuti**

08 01 11*	pitture e vernici di scarto, contenenti solventi organici o altre sostanze pericolose
15 01 04	imballaggi metallici

- **Imballaggi non puliti:**
- **Consigli:**
Smaltimento in conformità con le disposizioni amministrative.
Smaltimento in conformità con le disposizioni amministrative.

SEZIONE 14: Informazioni sul trasporto

· **14.1 Numero ONU o numero ID**

· **ADR, IMDG, IATA** UN1950

· **14.2 Designazione ufficiale ONU di trasporto**

· **ADR** 1950 AEROSOL
 · **IMDG** AEROSOLS
 · **IATA** AEROSOLS, flammable

· **14.3 Classi di pericolo connesso al trasporto**

· **ADR**



· **Classe** 2.5F Gas
 · **Etichetta** 2.1

· **IMDG, IATA**



· **Class** 2.1 Gas
 · **Label** 2.1

· **14.4 Gruppo d'imballaggio**

· **ADR, IMDG, IATA** non applicabile

· **14.5 Pericoli per l'ambiente**

Non applicabile.

· **14.6 Precauzioni speciali per gli utilizzatori**

· **Attenzione:** Gas
 · **N° identificazione pericolo (Numero Kemler):** -
 · **Numero EMS:** F-D,S-U

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· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Trasporto marittimo alla rinfusa conformemente agli atti dell'IMO	Non applicabile.
· Trasporto/ulteriori indicazioni:	
· ADR	
· Quantità limitate (LQ)	IL
· Quantità esenti (EQ)	Codice: E0 Vietato al trasporto in quantità esente
· Categoria di trasporto	2
· Codice di restrizione in galleria	D
· IMDG	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOL, 2.1

SEZIONE 15: informazioni sulla regolamentazione

- **15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**
- **Direttiva 2012/18/UE**
- **Sostanze pericolose specificate - ALLEGATO I** Nessuno dei componenti è contenuto.
- **Categoria Seveso P3a AEROSOL INFIAMMABILI**
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia inferiore 150 t**
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia superiore 500 t**
- **REGOLAMENTO (CE) n. 1907/2006 ALLEGATO XVII** Restrizioni: 3

· **Direttiva 2011/65/UE sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche - Allegato II**

Nessuno dei componenti è contenuto.

· **Disposizioni nazionali:**

· **Istruzione tecnica aria:**

Classe	quota in %
NC	90,2

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· **Ulteriori disposizioni, limitazioni e decreti proibitivi**

· **Sostanze estremamente preoccupanti (SVHC) ai sensi della regolamento REACH, articolo 57**

Nessuno dei componenti è contenuto.

· **15.2 Valutazione della sicurezza chimica:** Una valutazione della sicurezza chimica non è stata effettuata.

SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

· **Frase rilevanti**

- H201 Esplosivo; pericolo di esplosione di massa.
- H220 Gas altamente infiammabile.
- H225 Liquido e vapori facilmente infiammabili.
- H226 Liquido e vapori infiammabili.
- H280 Contiene gas sotto pressione; può esplodere se riscaldato.
- H302 Nocivo se ingerito.
- H315 Provoca irritazione cutanea.
- H318 Provoca gravi lesioni oculari.
- H319 Provoca grave irritazione oculare.
- H335 Può irritare le vie respiratorie.
- H336 Può provocare sonnolenza o vertigini.
- H351 Sospettato di provocare il cancro.
- EUH066 L'esposizione ripetuta può provocare secchezza o screpolature della pelle.

· **Numero di versione della versione precedente: 8**

· **Abbreviazioni e acronimi:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Expl. 1.1: Esplosivi – Divisione 1.1
- Flam. Gas 1A: Gas infiammabili – Categoria 1A
- Aerosol 1: Aerosol – Categoria 1
- Press. Gas (Comp.): Gas sotto pressione – Gas compresso
- Flam. Liq. 2: Liquidi infiammabili – Categoria 2
- Flam. Liq. 3: Liquidi infiammabili – Categoria 3
- Acute Tox. 4: Tossicità acuta – Categoria 4
- Skin Irrit. 2: Corrosione/irritazione della pelle – Categoria 2
- Eye Dam. 1: Gravi lesioni oculari/irritazione oculare – Categoria 1
- Eye Irrit. 2: Gravi lesioni oculari/irritazione oculare – Categoria 2
- Carc. 2: Cancerogenicità – Categoria 2
- STOT SE 3: Tossicità specifica per organi bersaglio (esposizione singola) – Categoria 3

· *** Dati modificati rispetto alla versione precedente**

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1. SKIRSNIS. Medžiagos arba mišinio ir bendrovės arba įmonės identifikavimas

- **1.1 Produkto identifikatorius**
 - **Prekybos ženklas: BENMAN ACRYLIC COLOR MATTE**
 - **Gaminio numeris:** 28528, 28529
 - **UFI:** SGVF-JW89-X52J-X68Y
- **1.2 Medžiagos ar mišinio nustatyti naudojimo būdai ir nerekomenduojami naudojimo būdai**

Nėra jokių kitų svarbių informacijų.
- **Naudojimo sektorius**
 - SU21 Naudotojams: privatus būstas / plačioji visuomenė / vartotojai
 - SU22 Profesionalus naudojimas: viešojo erdvė (administracija, švietimas, pramogos, paslaugos, amatininkai)
- **Produkto kategorija PC9a** Dangos ir dažai, skiedikliai, dažų nuėmėjai
- **Proceso kategorija**
 - PROC7 Purškimas pramoninėje aplinkoje
 - PROC11 Purškimas negamybinėje aplinkoje arba ne gamybos tikslais
- **Medžiagos / mišinio panaudojimas** Purškiamasis lakas
- **1.3 Saugos duomenų lapo teikėjo duomenys**

FF GROUP TOOL INDUSTRIES S.A.
9 km Attiki Odos (Exit 4), 19300 Aspropyrgos
Attica, Greece
Tel.: +30 211 850 9500
Email: info@ffgroup-toolindustries.com
- **1.4 Pagalbos telefono numeris:**

Neatidėliotina informacija apsinuodijus: +370 5 236 20 52 arba +370 687 53378 (24 h/d, 7 d/wk)

2. SKIRSNIS. Galimi pavojai

- **2.1 Medžiagos ar mišinio klasifikavimas**
 - **Klasifikavimas pagal Reglamentą (EB) Nr. 1272/2008**



GHS02 liepsna

Aerosol 1 H222-H229 Ypač degus aerosolis. Slėginė talpykla. Kaitinama gali sprogti.



GHS07

Eye Irrit. 2 H319

Sukelia smarkų akių dirginimą.

STOT SE 3 H336

Gali sukelti mieguistumą arba galvos svaigimą.

- **2.2 Ženklavimo elementai**
 - **Ženklavimas pagal Reglamentą (EB) Nr. 1272/2008**

Gaminys klasifikuojamas bei ženklinamas pagal KŽP reglamentą.

(Tęsinys 2 psl.)

LT

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Prekybos ženklas: **BENMAN ACRYLIC COLOR MATTE**

(Puslapis 1 tęsinys)

· **Pavojaus piktogramos**

GHS02 GHS07

· **Signalinis žodis Pavojinga**· **Pavojų nustatantys komponentai etiketavimui:**

acetonas

etilacetatas

n-butilacetatas

1-metil-2-metoksietilacetatas

· **Pavojingumo frazės**

H222-H229 Ypač degus aerosolis. Slėginė talpykla. Kaitinama gali sprogti.

H319 Sukelia smarkų akių dirginimą.

H336 Gali sukelti mieguistumą arba galvos svaigimą.

· **Atsargumo frazės**

P101 Jei reikalinga gydytojo konsultacija, su savimi turėkite produkto talpyklą ar jo etiketę.

P102 Laikyti vaikams neprieinamoje vietoje.

P210 Laikyti atokiau nuo šilumos šaltinių, karštų paviršių, žiežirbų, atviros liepsnos ir kitų uždegimo šaltinių. Nerūkyti.

P211 Nepurkšti į atvirą liepsną arba kitus degimo šaltinius.

P251 Nepradurti ir nedeginti net panaudoto.

P260 Neįkvėpti aerosolio.

P410+P412 Saugoti nuo saulės šviesos. Nelaikyti aukštesnėje kaip 50 °C temperatūroje.

P501 Turinį / talpą išpilti (išmesti) - šalinti pagal regionines taisykles.

· **Papildomos nuorodos:**

EUH066 Pakartotinis poveikis gali sukelti odos džiūvimą arba skilimą.

Nesant pakankamo vėdinimo, galimas sprogių junginių susidarymas.

EUH211 Atsargiai! Purškiant gali susidaryti pavojingų įkvepiamų lašelių. Neįkvėpti rūko ar aerosolio.

· **2.3 Kiti pavojai**· **PBT ir vPvB vertinimo rezultatai**· **PBT:** Nevartotina.· **vPvB:** Nevartotina.* **3. SKIRSNIS. Sudėtis arba informacija apie sudedamąsias dalis**· **3.2 Mišiniai**· **Aprašymas:** Mišinys, susidedantis iš žemiau minimų medžiagų su apytiksliais kiekiais.· **Pavojingos sudedamosios medžiagos :**

CAS: 67-64-1 EINECS: 200-662-2 ES numeris: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetonas Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 ES numeris: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimetileteris Flam. Gas 1A, H220 Press. Gas (Comp.), H280	20-<25%

(Tęsinys 3 psl.)

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CAS: 141-78-6 EINECS: 205-500-4 ES numeris: 607-022-00-5 Reg.nr.: 01-2119475103-46	etilacetatas ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 ES numeris: 601-003-00-5 Reg.nr.: 01-2119486944-21	propanas, suskystintas ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 ES numeris: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butilacetatas ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 ES numeris: 601-004-00-0 Reg.nr.: 01-2119474691-32	butanas ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 ES numeris: 601-004-00-0 Reg.nr.: 01-2119485395-27	ir izobutanas ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 ES numeris: 607-195-00-7 Reg.nr.: 01-2119475791-29	1-metil-2-metoksietilacetatas ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2,5-<5%
CAS: 9004-70-0	nitroceliulioze ⚠ Expl. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 ES numeris: 022-006-00-2 Reg.nr.: 01-2119489379-17	titano dioksidas ⚠ Carc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 ES numeris: 603-004-00-6 Reg.nr.: 01-2119484630-38	butanolis ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2,5%
CAS: 67-63-0 EINECS: 200-661-7 ES numeris: 603-117-00-0 Reg.nr.: 01-2119457558-25	2-propanolis ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	<2,5%

• **Papildomos nuorodos**

CAS 9004-70-0: CLP Note T

Nurodytų rizikos frazių turinio ieškoti 16 straipsnyje.

4. SKIRSNIS. Pirmosios pagalbos priemonės• **4.1 Pirmosios pagalbos priemonių aprašymas**• **Įkvėpus:** Garantuoti tyrą orą, tęsiantis negalavimams, kreiptis į gydytoją.• **Po kontakto su oda:** Iš esmės produktas odos nedirgina.• **Po kontakto su akimis:**

Akis, atkėlus akių vokus, keletą minučių plauti tekančiu vandeniu. Negalavimams nesiliaujant, pasikonsultuoti su gydytoju.

• **Prarijus:** Išgerti didelį kiekį vandens, garantuoti tyrą orą. Nedelsiant kreiptis į gydytojus.• **4.2 Svarbiausi simptomai ir poveikis (ūmus ir uždelstas)** Nėra jokių kitų svarbių informacijų.

(Tęsinys 4 psl.)

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(Puslapio 3 tęsinys)

- **4.3 Nurodymas apie bet kokios neatidėliotinos medicinos pagalbos ir specialaus gydymo reikalingumą**
Nėra jokių kitų svarbių informacijų.

5. SKIRSNIS. Priešgaisrinės priemonės

- **5.1 Gesinimo priemonės**
- **Tinkamos gesinimo medžiagos:** Gaisro gesinimo priemonės taikyti adekvačiai aplinkai.
- **5.2 Specialūs medžiagos ar mišinio keliami pavojai** Įkaitus arba gaisro atveju susidaro nuodingos dujos.
- **5.3 Patarimai gaisrininkams** -
- **Ypatingos saugos priemonės:** Uždėti kvėpavimo apsaugos priemonę.

6. SKIRSNIS. Avarijų likvidavimo priemonės

- **6.1 Asmens atsargumo priemonės, apsaugos priemonės ir skubios pagalbos procedūros**
Garantuoti pakankamą vėdinimą.
Uždėti kvėpavimo apsaugos priemonę.
Dėvėti apsauginę ekipiruotę. Neprileisti neapsaugotų asmenų.
Vengti ugnies šaltinių.
- **6.2 Ekologinės atsargumo priemonės:**
Neleisti patekti į kanalizaciją/paviršinius vandenis/gruntinius vandenis.
- **6.3 Izoliavimo ir valymo procedūros bei priemonės:**
Užterštomis medžiagomis atsikratyti kaip atliekomis pagal 13 pkt. reikalavimus.
Garantuoti pakankamą vėdinimą.
- **6.4 Nuoroda į kitus skirsnius**
Informacija apie saugų vartojimą pateikiama 7 skyriuje.
Informacija apie asmens saugos priemones pateikiama 8 skyriuje.
Informacija apie sunaikinimą pateikiama 13 skyriuje.

7. SKIRSNIS. Tvarkymas ir sandėliavimas

- **7.1 Su saugiu tvarkymu susijusios atsargumo priemonės**
Garantuoti gerą darbo vietos vėdinimą/nutraukimą.
- **Nuorodos apsaugai nuo gaisro ir sprogdimo:**
Nepurkšti ant ugnies ar karštų daiktų.
Vengti ugnies šaltinių - nerūkyti.
Laikyti paruošas kvėpavimo apsaugos priemones.
- **7.2 Saugaus sandėliavimo sąlygos, įskaitant visus nesuderinamumus**
- **Sandėliavimas:**
- **Reikalavimai sandėliavimo patalpoms ir talpoms:**
Atkreiptinas dėmesys į slėgiminių indų laikymo tarnybines instrukcijas.
- **Nuorodos dėl laikymo bendrai:** Nereikalaujama.
- **Kitos sandėliavimo nuorodos:** Talpas laikyti sandariai uždarytas.
- **Sandėliavimo klasė:** 2 B
- **7.3 Konkretus galutinio naudojimo būdas (-ai)** Nėra jokių kitų svarbių informacijų.

8. SKIRSNIS. Poveikio kontrolė / asmens apsauga

- **8.1 Kontrolės parametrai**

- **Sudedamosios dalys su darbo vietoje stebėtinomis vertėmis:**

67-64-1 acetonas

PRD TPRD Trumpalaikio poveikio ribinis dydis: 2420 mg/m³, 1000 ppm

IPRD Ilgalaikio poveikio ribinis dydis: 1210 mg/m³, 500 ppm

(Tęsinys 5 psl.)

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(Puslapis 4 tęsinys)

115-10-6 dimetileteris

PRD TPRD Trumpalaikio poveikio ribinis dydis: 2280 mg/m³, 1500 ppm
IPRD Ilgalaikio poveikio ribinis dydis: 1920 mg/m³, 1000 ppm

141-78-6 etilacetatas

PRD IPRD Ilgalaikio poveikio ribinis dydis: 500 mg/m³, 150 ppm
NRD Neviršytinas ribinis dydis: 1100 mg/m³, 300 ppm

123-86-4 n-butilacetatas

PRD TPRD Trumpalaikio poveikio ribinis dydis: 723 mg/m³, 150 ppm
IPRD Ilgalaikio poveikio ribinis dydis: 241 mg/m³, 50 ppm

108-65-6 1-metil-2-metoksietilacetatas

PRD TPRD Trumpalaikio poveikio ribinis dydis: 400 mg/m³, 75 ppm
IPRD Ilgalaikio poveikio ribinis dydis: 250 mg/m³, 50 ppm
O

13463-67-7 titano dioksidas

PRD IPRD Ilgalaikio poveikio ribinis dydis: 5 mg/m³

71-36-3 butanolis

PRD IPRD Ilgalaikio poveikio ribinis dydis: 45 mg/m³, 15 ppm
NRD Neviršytinas ribinis dydis: 90 mg/m³, 30 ppm
Ū O

67-63-0 2-propanolis

PRD TPRD Trumpalaikio poveikio ribinis dydis: 600 mg/m³, 250 ppm
IPRD Ilgalaikio poveikio ribinis dydis: 350 mg/m³, 150 ppm

· **DNEL lygių****67-64-1 acetonas**

Oralinis(ė)	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermalinis(ė)	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Inhaliacinis(ė)	DNEL	2420 mg/m ³ (Worker, acute local)
	DNEL	1210 mg/m ³ (Worker, longterm systemic)
	DNEL	200 mg/m ³ (Consumer, longterm systemic)
	DNEL	60 mg/m ³

141-78-6 etilacetatas

Oralinis(ė)	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Dermalinis(ė)	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Inhaliacinis(ė)	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)

123-86-4 n-butilacetatas

Oralinis(ė)	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermalinis(ė)	DNEL	11 mg/kg /per day (Worker, longterm systemic)

(Tęsinys 6 psl.)

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(Puslapis 5 tęsinys)

<i>Inhaliacinis(ė)</i>	<i>DNEL</i>	<i>11 mg/kg /per day (Worker, acute systemic)</i>
	<i>DNEL</i>	<i>6 mg/kg /per day (Consumer, longterm systemic)</i>
	<i>DNEL</i>	<i>6 mg/kg /per day (Consumer, acute systemic)</i>
	<i>DNEL</i>	<i>300 mg/m3 (Worker, longterm systemic)</i>
	<i>DNEL</i>	<i>600 mg/m3 (Worker, acute systemic)</i>
	<i>DNEL</i>	<i>300 mg/m3 (Worker, longterm local)</i>
	<i>DNEL</i>	<i>600 mg/m3 (Worker, acute local)</i>
	<i>DNEL</i>	<i>35,7 mg/m3 (Consumer, longterm systemic)</i>
	<i>DNEL</i>	<i>300 mg/m3 (Consumer; acute systemic)</i>
	<i>DNEL</i>	<i>35,7 mg/m3 (Consumer, longterm local)</i>

108-65-6 1-metil-2-metoksietilacetatas

<i>Dermalinis(ė)</i>	<i>DNEL</i>	<i>796 mg/kg /per day (Worker, longterm systemic)</i>
	<i>DNEL</i>	<i>320 mg/kg /per day (Consumer, longterm systemic)</i>
<i>Inhaliacinis(ė)</i>	<i>DNEL</i>	<i>275 mg/m3 (Worker, longterm systemic)</i>
	<i>DNEL</i>	<i>33 mg/m3 (Consumer, longterm systemic)</i>

71-36-3 butanolis

<i>Oralinis(ė)</i>	<i>DNEL</i>	<i>3,125 mg/kg /per day (Consumer, longterm systemic)</i>
<i>Inhaliacinis(ė)</i>	<i>DNEL</i>	<i>310 mg/m3 (Worker, longterm local)</i>
	<i>DNEL</i>	<i>55 mg/m3 (Consumer, longterm local)</i>

67-63-0 2-propanolis

<i>Oralinis(ė)</i>	<i>DNEL</i>	<i>26 mg/kg /per day (Consumer, longterm systemic)</i>
<i>Dermalinis(ė)</i>	<i>DNEL</i>	<i>888 mg/kg /per day (Worker, longterm systemic)</i>
	<i>DNEL</i>	<i>319 mg/kg /per day (Consumer, longterm systemic)</i>
<i>Inhaliacinis(ė)</i>	<i>DNEL</i>	<i>500 mg/m3 (Worker, longterm systemic)</i>
	<i>DNEL</i>	<i>89 mg/m3 (Consumer, longterm systemic)</i>

· PNEC lygių**67-64-1 acetonas**

<i>PNEC</i>	<i>10,6 mg/l (Freshwater)</i>
<i>PNEC</i>	<i>1,06 mg/l (Seawater)</i>
<i>PNEC</i>	<i>21 mg/l (Sporadic release)</i>
<i>PNEC</i>	<i>100 mg/l (Sewage treatment plant)</i>
<i>PNEC</i>	<i>30,4 mg/kg (Freshwater sediment)</i>
<i>PNEC</i>	<i>3,04 mg/kg (Seawater sediment)</i>
<i>PNEC</i>	<i>29,5 mg/kg (Soil)</i>

123-86-4 n-butilacetatas

<i>PNEC</i>	<i>0,18 mg/l (Freshwater)</i>
<i>PNEC</i>	<i>0,018 mg/l (Seawater)</i>
<i>PNEC</i>	<i>0,36 mg/l (Sporadic release)</i>
<i>PNEC</i>	<i>35,6 mg/l (Sewage treatment plant)</i>
<i>PNEC</i>	<i>0,981 mg/kg (Freshwater sediment)</i>
<i>PNEC</i>	<i>0,0981 mg/kg (Seawater sediment)</i>
<i>PNEC</i>	<i>0,0903 mg/kg (Soil)</i>

108-65-6 1-metil-2-metoksietilacetatas

<i>PNEC</i>	<i>0,635 mg/l (Freshwater)</i>
<i>PNEC</i>	<i>0,064 mg/l (Seawater)</i>

(Tęsinys 7 psl.)

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PNEC	100 mg/l (Sewage treatment plant)
PNEC	3,29 mg/kg (Freshwater sediment)
PNEC	0,329 mg/kg (Seawater sediment)
PNEC	0,29 mg/kg (Soil)

71-36-3 butanolis

PNEC	0,082 mg/l (Freshwater)
PNEC	0,0082 mg/l (Seawater)
PNEC	2,25 mg/l (Sporadic release)
PNEC	2476 mg/l (Sewage treatment plant)
PNEC	0,178 mg/kg (Freshwater sediment)
PNEC	0,0178 mg/kg (Seawater sediment)
PNEC	0,015 mg/kg (Soil)

67-63-0 2-propanolis

PNEC	140,9 mg/l (Freshwater)
PNEC	140,9 mg/l (Seawater)
PNEC	140,9 mg/l (Sporadic release)
PNEC	2251 mg/l (Sewage treatment plant)
PNEC	552 mg/kg (Freshwater sediment)
PNEC	552 mg/kg (Seawater sediment)

• **Papildomos nuorodos:** Už pagrindą buvo paimti sudarymo metu galioję sąrašai.

• **8.2 Poveikio kontrolės priemonės**

• **Atitinkamos techninio valdymo priemonės** Jokių kitų nuorodų, žr. 7 pkt.

• **Individualios apsaugos priemonės, pavyzdžiui, asmeninės apsaugos įranga**

• **Bendrosios saugos ir higienos priemonės:**

Laikyti atokiai nuo maisto produktų, gėrimų ir pašarų.

Nedelsiant nusirengti išteptus, įsigėrusius drabužius.

Prieš pertraukas ir baigus darbą nusiplauti rankas.

Neįkvėpti dujų/garų/aerozolių.

Vengti kontakto su akimis ir oda.

Vengti kontakto su akimis.

• **Kvėpavimo apsaugą**

Esant trumpalaikiam arba mažam krūviui pakanka respiratoriaus. Esant ilgesniam poveikiui, panaudoti nuo aplinkos nepriklausantį kvėpavimo apsaugos įtaisą.

Filtrai A2/P3

• **Rankų apsaugą**

Apsauginės pirštinės

• **Pirštinių medžiaga**

Butilo kaučiukas

Tinkamų apsauginių pirštinių parinkimas priklauso ne tik nuo medžiagos, tačiau ir nuo kitų kokybinių rodiklių, kurie kiekvieno gamintojo yra skirtingi.

• **Pirštinių medžiagos persigėrimo laikotarpis**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

(Tęsinys 8 psl.)

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0,4 mm tankio butilo gumos pirštinės yra atsparios tirpikliams 42–480 min. Kaip atsargumo priemonę rekomenduojame naudotojui ir atsakingiems asmenims laikyti, kad atsparumo tirpikliams trukmė siekia 42 min. Atsižvelgiant į šio SDL 3 skyriuje pateiktus duomenis tam tikrais atvejais galima tikėtis ilgesnės atsparumo trukmės.

• **Akių ir (arba) veido apsauga**



Tampriai prisispaudžiantys akiniai

9. SKIRSNIS. Fizikinės ir cheminės savybės

• 9.1 Informacija apie pagrindines fizikines ir chemines savybes

• Bendra informacija

• **Fizinė būseną**

Aerolis

• **Spalva:**

Įvairiaspalvis(ė), pagal nudažymą

• **Kvapą:**

Kaip tirpikliai

• **Kvapo atsiradimo slenkstis:**

Nenustatyta.

• **Lydimosi ir stingimo temperatūra**

Nenustatyta

• **Virimo temperatūra arba pradinė virimo temperatūra ir virimo temperatūros intervalas**

Nevartotina, kadangi aerolis.

• **Degumas**

Nevartotina.

• **Viršutinė ir apatinė sprogo ribos**

• **Žemutinė:**

2,6 Vol % (67-64-1 acetonas)

• **Viršutinė**

26,2 Vol % (115-10-6 dimetileteris)

• **Plūpsnio temperatūra:**

Nevartotina, kadangi aerolis.

• **Uždegimo temperatūra:**

240 °C (464 °F)

• **Skilimo temperatūra:**

Nenustatyta.

• **pH**

Mišinys netirpus (vandenyje).

• **Klampa:**

• **Kinematinė klampa**

Nenustatyta.

• **Dinaminis:**

Nenustatyta.

• **Tirpumas**

• **vandeniui:**

Nemaišytina(s) arba mažai maišytina(s).

• **Pasiskirstymo koeficientas n-oktanolis/vanduo (logaritminė vertė)**

Nenustatyta.

• **Garų slėgis esant 20 °C (68 °F):**

4000 hPa (3000,2 mm Hg)

• **Tankis ir (arba) santykinis tankis**

• **Tankis esant 20 °C (68 °F):**

0,7 g/cm³ (5,8 lbs/gal)

• **Santykinis tankis:**

Nenustatyta.

• **Garų tankis**

Nenustatyta.

• 9.2 Kita informacija

• **Išvaizda:**

• **Forma:**

Aerolis

• **Svarbios nuorodos sveikatos ir aplinkos apsaugai bei saugumui**

• **Sprogamosios (sprogiosios) savybės:**

Nenustatyta.

• **Tirpiklių sudėtis:**

• **Organiniai tirpikliai:**

90,2 %

• **Vanduo:**

0,3 %

• **VOC (EC)**

676,0 g/l

• **VOC-EU%**

90,20 %

• **Kietųjų dalelių kiekis:**

10,5 %

(Tęsinys 9 psl.)

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· Sudėties pakeitimas	
· Garavimo greičių	Nevartotina.
· Informacija apie fizinių pavojų klases	
· Sprogstamosios medžiagos	atkrenta
· Degiosios dujos	atkrenta
· Aerosoliai	Ypač degus aerosolis. Slėginė talpykla. Kaitinama gali sprogti.
· Oksiduojančiosios dujos	atkrenta
· Suslėgtosios dujos	atkrenta
· Degieji skysčiai	atkrenta
· Degios kietos medžiagos	atkrenta
· Savaiame reaguojančiosios medžiagos ir mišiniai	atkrenta
· Piroforiniai skysčiai	atkrenta
· Piroforinės kietosios medžiagos	atkrenta
· Savaiame kaistančios medžiagos ir mišiniai	atkrenta
· Medžiagos ir mišiniai, kurie išskiria degias dujas esant sąlyčiui su vandeniu	atkrenta
· Oksiduojantieji skysčiai	atkrenta
· Oksiduojančiosios kietosios medžiagos	atkrenta
· Organiniai peroksidai	atkrenta
· Metalų koroziją sukeliančios medžiagos	atkrenta
· Desensibilizuoti sprogmėnys	atkrenta

10. SKIRSNIS. Stabilumas ir reaktyvumas

- 10.1 Reaktyvumas Nėra jokių kitų svarbių informacijų.
- 10.2 Cheminis stabilumas
- Terminis irimas / vengtinės sąlygos: Nesu yra vartojant pagal instrukciją.
- 10.3 Pavojingų reakcijų galimybė Nežinomos jokios pavojingos reakcijos.
- 10.4 Vengtinės sąlygos Nėra jokių kitų svarbių informacijų.
- 10.5 Nesuderinamos medžiagos: Nėra jokių kitų svarbių informacijų.
- 10.6 Pavojingi skilimo produktai: Nežinomi jokie irimo produktai.

11. SKIRSNIS. Toksikologinė informacija

- 11.1 Informacija apie pavojų klases, kaip apibrėžta Reglamente (EB) Nr. 1272/2008
- Ūmus toksiškumas Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

· Klasifikacijai svarbios LD/LC50 vertės:

67-64-1 acetonas		
Oralinis(ė)	LD50	5800 mg/kg (rat)
Dermalinis(ė)	LD50	>15800 mg/kg (rabbit)
Inhaliacinis(ė)	LC50 / 4h	76 mg/l (rat)
141-78-6 etilacetatas		
Oralinis(ė)	LD50	>18000 mg/kg (rab)
Dermalinis(ė)	LD50	5620 mg/kg (rat)
Inhaliacinis(ė)	LC50 / 4 h	1600 mg/m3 (rat)
123-86-4 n-butilacetatas		
Oralinis(ė)	LD50	10800 mg/kg (rat) (OECD 401)
Dermalinis(ė)	LD50	>17600 mg/kg (rabbit)
Inhaliacinis(ė)	LC50 / 4 h	>21 mg/m3 (rat)

(Tęsinys 10 psl.)

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(Puslapis 9 tęsinys)

108-65-6 1-metil-2-metoksietilacetatas

Oralinis(ė)	LD50	8530 mg/kg (rat)
Dermalinis(ė)	LD50	>5000 mg/kg (rabbit)
Inhaliacinis(ė)	LC50 / 4 h	>10000 mg/m ³ (rat)

71-36-3 butanolis

Oralinis(ė)	LD50	2292 mg/kg (rat)
Dermalinis(ė)	LD50	3430 mg/kg (rabbit)
Inhaliacinis(ė)	LC50 / 4 h	17000 mg/m ³ (rat)

67-63-0 2-propanolis

Oralinis(ė)	LD50	5840 mg/kg (rat)
Dermalinis(ė)	LD50	13900 mg/kg (rabbit)
Inhaliacinis(ė)	LC50	>25 mg/l (rat)

- **Odos ėsdinimas ir (arba) dirginimas**

Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

Jokio perštėjimo.

- **Didelis kenksmingumas akims ir (arba) akių dirginimas** Sukelia smarkų akių dirginimą.

- **Kvėpavimo takų arba odos jautrinimas**

Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

Nežinomas joks dirginantis poveikis.

- **Mutageninis poveikis lytinėms ląstelėms** Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

- **Kancerogeniškumas** Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

- **Toksiškumas reprodukcijai** Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

- **STOT (vienkartinis poveikis)** Gali sukelti mieguistumą arba galvos svaigimą.

- **STOT (kartotinis poveikis)** Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

- **Aspiracijos pavojus** Remiantis turimais duomenimis neatitinka klasifikavimo kriterijų.

- **11.2 Informacija apie kitus pavojus**

- **Endokrininės sistemos ardamosios savybės**

Į sudėtį neįeina nė viena iš sudėtinių dalių.

12. SKIRSNIS. Ekologinė informacija

- **12.1 Toksiškumas**

- **Vandeninis toksiškumas:**

67-64-1 acetonas

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 dimetileteris

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

108-65-6 1-metil-2-metoksietilacetatas

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 butanolis

LC50 / 96 h	1376 mg/l (fish)
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67-63-0 2-propanolis

LC50/96h	9640 mg/l (pimephales promelas; 96h)
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(Tęsinys 11 psl.)

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LC50 / 24 h 9714 mg/l (daphnia magna)

- **12.2 Patvarumas ir skaidumas** Nėra jokių kitų svarbių informacijų.
- **12.3 Bioakumuliacijos potencialas** Nėra jokių kitų svarbių informacijų.
- **12.4 Judumas dirvožemyje** Nėra jokių kitų svarbių informacijų.
- **12.5 PBT ir vPvB vertinimo rezultatai**
- **PBT:** Nevartotina.
- **vPvB:** Nevartotina.
- **12.6 Endokrininės sistemos ardomosios savybės**
Produkto sudėtyje nėra medžiagų, kurios pasižymėtų endokrininę sistemą ardančiomis savybėmis.
- **12.7 Kitas nepageidaujamas poveikis**
- **Kitos ekologinės nuorodos:**
- **Bendrosios nuorodos:**
Vandens užteršimo klasė 1 (Savarankiška klasifikacija): lengvai užteršia vandenį
Neleisti neskiestame pavidale arba dideliais kiekiais patekti į gruntinius vandenis, vandens telkinius ir į kanalizaciją, net ir menkais kiekiais.

13. SKIRSNIS. Atliekų tvarkymas

- **13.1 Atliekų apdorojimo metodai**
- **Rekomendacija:** Negalima pašalinti kartu su buitinėmis atliekomis. Neleisti patekti į kanalizaciją.

· Europos atliekų katalogas

08 01 11* dažų ir lako, kuriuose yra organinių tirpiklių ar kitų pavojingųjų medžiagų, atliekos

15 01 04 metalinės pakuotės

- **Nevalytos pakuotės:**
- **Rekomendacija:**
Atsikratymas pagal žinybinį reglamentą.
Atsikratymas pagal žinybinį reglamentą.

14. SKIRSNIS. Informacija apie vežimą

- **14.1 JT numeris ar ID numeris**
- **ADR, IMDG, IATA** UN1950

- **14.2 JT tinkamas krovinio pavadinimas**
- **ADR** 1950 AEROZOLIAI
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

- **14.3 Vežimo pavojingumo klasė (-s)**

- **ADR**



- **klasė** 2.5F Dujos
- **Pavojingumo etiketė** 2.1

- **IMDG, IATA**



- **Class** 2.1 Dujos

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· Label	2.1
· 14.4 Pakuotės grupė · ADR, IMDG, IATA	atkrenta
· 14.5 Pavojus aplinkai:	Nevartotina.
· 14.6 Specialios atsargumo priemonės naudotojams · Pavojaus identifikavimo numeris (Kemlerio kodas): - · EMS numeris: · Stowage Code	Atsargiai: Dujos F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Segregation Code	
· 14.7 Nesupakuotų krovinių vežimas jūrų transportu pagal IMO priemones	Nevartotina.
· Transportavimas/kitos nuorodos:	
· ADR · Riboti kiekiai (LQ): · Nekontroliuojami kiekiai (EQ)	IL Kodas: E0 Neleidžiama vežti kaip nekontroliuojamo kiekio
· Transporto kategorija · Tunelio apribojimo kodas:	2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	IL Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROZOLIAI, 2.1

15. SKIRSNIS. Informacija apie reglamentavimą

- **15.1 Su konkrečia medžiaga ar mišiniu susiję saugos, sveikatos ir aplinkos teisės aktai**
- **Direktyva 2012/18/ES**
- **Vardinis pavojingų cheminių medžiagų sąrašas - I PRIEDAS** Į sudėtį neįeina nė viena iš sudėtinių dalių.
- **Seveso kategorija P3a DEGIEJI AEROZOLIAI**
- **Kvalifikacinis kiekis (tonomis), taikant žemesnės pakopos reikalavimus 150 t**
- **Kvalifikacinis kiekis (tonomis), taikant aukštesnės pakopos reikalavimus 500 t**
- **REGLAMENTAS (EB) Nr. 1907/2006 XVII PRIEDAS Apribojimo sąlygos: 3**

(Tęsinys 13 psl.)

LT

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· **Direktyva 2011/65/ES dėl tam tikrų pavojingų medžiagų naudojimo elektros ir elektroninėje įrangoje apribojimo - II Priedas**

Į sudėtį neįeina nė viena iš sudėtinių dalių.

· **Nacionaliniai normatyvai:**

· **Kitos nuostatos, apribojimai ir draudimai**

· **Didelį susirūpinimą keliančios medžiagos (SVHC) pagal REACH, 57 straipsnio**

Į sudėtį neįeina nė viena iš sudėtinių dalių.

· **15.2 Cheminės saugos vertinimas: Cheminės saugos vertinimas nebuvo atliktas.**

16. SKIRSNIS. Kita informacija

Duomenys pateikti pagal šią dieną mūsų žinių būklę, tačiau nepateikia produkto savybių garantijos ir nėra pagrindas sutartiniams teisiniams santykiams.

· **Svarbios frazės**

H201 Sprogios medžiagos, kelia masinio sproginimo pavojų.

H220 Ypač degios dujos.

H225 Labai degūs skystis ir garai.

H226 Degūs skystis ir garai.

H280 Turi slėgio veikiamų dujų, kaitinant gali sprogti.

H302 Kenksminga prarijus.

H315 Dirgina odą.

H318 Smarkiai pažeidžia akis.

H319 Sukelia smarkų akių dirginimą.

H335 Gali dirginti kvėpavimo takus.

H336 Gali sukelti mieguistumą arba galvos svaigimą.

H351 Įtariama, kad sukelia vėžį.

EUH066 Pakartotinis poveikis gali sukelti odos džūvimą arba skilimą.

· **Ankstesnės versijos numeris: 8**

· **Santrumpos ir akronimai:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Sprogmenys – 1.1 poklasis

Flam. Gas 1A: Degiosios dujos – 1A kategorija

Aerosol 1: Aerozoliai – 1 kategorija

Press. Gas (Comp.): Slėgio veikiamos dujos – Suslėgtosios dujos

Flam. Liq. 2: Degieji skysčiai – 2 kategorija

Flam. Liq. 3: Degieji skysčiai – 3 kategorija

Acute Tox. 4: Ūmus toksiškumas – 4 kategorija

Skin Irrit. 2: Odos šdininimas ir dirginimas – 2 kategorija

Eye Dam. 1: Smarkus akių pažeidimas ir akių sudirginimas – 1 kategorija

Eye Irrit. 2: Smarkus akių pažeidimas ir akių sudirginimas – 2 kategorija

Carc. 2: Kancerogeniškumas – 2 kategorija

STOT SE 3: Specifinis toksiškumas konkrečiam organui (vienkartinis poveikis) – 3 kategorija

· *** Lyginant su buvusia versija pakeisti duomenys**

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SECTIUNEA 1: Identificarea substanței/amestecului și a societății/întreprinderii**1.1 Identificator de produs****Denumire comercială:** BENMAN ACRYLIC COLOR MATTE**Nr. articol:** 28528, 28529**UFI:** SGVF-JW89-X52J-X68Y**1.2 Utilizări relevante identificate ale substanței sau ale amestecului și utilizări contraindicate**
Nu există alte informații relevante.**Sectorul de utilizare**

SU21 Utilizări de consum: Uz casnic / publicul larg / consumatori

SU22 Utilizări profesionale: Domeniul public (administrație, învățământ, divertisment, servicii, meșteșuguri)

Categoria de produs PC9a Acoperiri și vopsele, diluanți, agenți de îndepărtare a vopselei**Categoria de proces**

PROC7 Pulverizare industrială

PROC11 Pulverizare neindustrială

Utilizarea materialului / a preparatului Lac pentru pulverizare**1.3 Detalii privind furnizorul fișei cu date de securitate**

FF GROUP TOOL INDUSTRIES S.A.

9 km Attiki Odos (Exit 4), 19300 Aspropyrgos

Attica, Greece

Tel.: +30 211 850 9500

Email: info@ffgroup-toolindustries.com

1.4 Număr de telefon care poate fi apelat în caz de urgență:

Birou RSI si Informare Toxicologica: +40213183606 (Disponibil in intervalul orar 8.00 – 15.00)

SECTIUNEA 2: Identificarea pericolelor**2.1 Clasificarea substanței sau a amestecului****Clasificarea în conformitate cu Regulamentul (CE) nr. 1272/2008**

GHS02 flacăra

Aerosol 1 H222-H229 Aerosol extrem de inflamabil. Recipient sub presiune: Poate exploda dacă este încălzit.



GHS07

Eye Irrit. 2 H319

Provoacă o iritare gravă a ochilor.

STOT SE 3 H336

Poate provoca somnolență sau amețeală.

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2.2 Elemente de etichetare**Etichetarea în conformitate cu Regulamentul (CE) nr. 1272/2008**

Produsul este clasificat și etichetat conform regulamentului privind clasificarea, etichetarea și ambalarea (CLP).

Pictograme de pericol

GHS02 GHS07

Cuvânt de avertizare Pericol**Componente periculoase care determină etichetarea:**

acetonă
acetat de etil
acetat de n-butil
acetat de 2-metoxi-1-metiletil

Fraze de pericol

H222-H229 Aerosol extrem de inflamabil. Recipient sub presiune: Poate exploda dacă este încălzit.
H319 Provoacă o iritare gravă a ochilor.
H336 Poate provoca somnolență sau amețea.

Fraze de precauție

P101 Dacă este necesară consultarea medicului, țineți la îndemână recipientul sau eticheta produsului.
P102 A nu se lăsa la îndemâna copiilor.
P210 A se păstra departe de surse de căldură, suprafețe încinse, scânteii, flăcări deschise sau alte surse de aprindere. Fumatul interzis.
P211 Nu pulverizați deasupra unei flăcări deschise sau unei alte surse de aprindere.
P251 Nu perforați sau ardeți, chiar și după utilizare.
P260 Nu inspirați spray-ul.
P410+P412 A se proteja de lumina solară. Nu expuneți la temperaturi care depășesc 50 °C.
P501 Aruncați conținutul / containerul în acord cu regulamentele regionale.

Date suplimentare:

EUH066 Expunerea repetată poate provoca uscarea sau crăparea pielii.
O ventilație insuficientă ar putea da naștere la amestecuri explozive.
EUH211 Avertizare! Se pot forma picături respirabile periculoase la pulverizare. Nu respirați prin pulverizare sau ceață.

2.3 Alte pericole**Rezultatele evaluării PBT și vPvB**

• **PBT:** neaplicabil

• **vPvB:** neaplicabil

SECȚIUNEA 3: Compoziție/informații privind componenții

3.2 Amestecuri

• **Descriere:** Amestec format din următoarele substanțe cu aditivi nenocivi.

Componente periculoase:

CAS: 67-64-1 EINECS: 200-662-2 Numărul Index: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetonă Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Numărul Index: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimetil eter Flam. Gas 1A, H220 Press. Gas (Comp.), H280	20-<25%

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CAS: 141-78-6 EINECS: 205-500-4 Numărul Index: 607-022-00-5 Reg.nr.: 01-2119475103-46	acetat de etil Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Numărul Index: 601-003-00-5 Reg.nr.: 01-2119486944-21	propan Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Numărul Index: 607-025-00-1 Reg.nr.: 01-2119485493-29	acetat de n-butil Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Numărul Index: 601-004-00-0 Reg.nr.: 01-2119474691-32	butan Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Numărul Index: 601-004-00-0 Reg.nr.: 01-2119485395-27	și izobutan Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Numărul Index: 607-195-00-7 Reg.nr.: 01-2119475791-29	acetat de 2-metoxi-1-metiletil Flam. Liq. 3, H226 STOT SE 3, H336	2,5-<5%
CAS: 9004-70-0	cellulose nitrate Expl. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 Numărul Index: 022-006-00-2 Reg.nr.: 01-2119489379-17	dioxid de titan Carc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 Numărul Index: 603-004-00-6 Reg.nr.: 01-2119484630-38	n-butanol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2,5%
CAS: 67-63-0 EINECS: 200-661-7 Numărul Index: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	<2,5%

Indicații suplimentare:

CAS 9004-70-0: CLP Nota T

Conținutul exact al textului inidicațiilor în caz de pericol se deduce din capitolul 16.

SECȚIUNEA 4: Măsuri de prim ajutor**4.1 Descrierea măsurilor de prim ajutor****după inhalare:**

Pacientul trebuie transportat într-un loc bine aerisit și în caz de efecte secundare consultat medicul.

după contactul cu pielea: In general acest produs nu irită pielea.**după contactul cu ochii:**

Este necesară spălarea ochilor cu apă curentă timp de câteva minute, ținând pleoapele complet deschise.

Dacă durerile persistă trebuie consultat medicul.

după înghițire:

Trebuie băuta multă apă și respirat aer curat. Este necesară intervenția imediată a medicului.

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- **4.2 Cele mai importante simptome și efecte, atât acute, cât și întârziate** Nu există alte informații relevante.
- **4.3 Indicații privind orice fel de asistență medicală imediată și tratamentele speciale necesare**
Nu există alte informații relevante.

SECȚIUNEA 5: Măsuri de combatere a incendiilor

- **5.1 Mijloace de stingere a incendiilor**
- **Extinctorul potrivit:** Trebuie adoptate măsuri antiincendiu în vecinătate.
- **5.2 Pericole speciale cauzate de substanță sau de amestec**
Produsul eliberează gaze toxice prin încălzire sau în caz de incendiu .
- **5.3 Recomandări destinate pompierilor -**
- **Mijloace de protecție specifice:** Trebuie folosită masca de protecție respiratorie.

SECȚIUNEA 6: Măsuri împotriva pierderilor accidentale

- **6.1 Precauții personale, echipament de protecție și proceduri de urgență**
Trebuie asigurată o aerisire suficientă.
Trebuie folosită masca de protecție respiratorie.
Trebuie folosit echipamentul protector. Este necesară îndepărtarea persoanelor care nu sînt echipate corespunzător.
Trebuie îndepărtate sursele de incendiu.
- **6.2 Precauții pentru mediul înconjurător:**
Trebuie evitată infiltrarea în canalizare/ape de suprafață/ape freatice.
- **6.3 Metode și material pentru izolarea incendiilor și pentru curățenie:**
Materialul contaminat trebuie eliminat ca reziduu în conformitate cu punctul 13.
Trebuie asigurată o aerisire suficientă.
- **6.4 Trimiteri către alte secțiuni**
Pentru informații cu privire la o manipulare sigură vezi capitolul 7.
Pentru informații cu privire la echipamentul de protecție de uz personal vezi capitolul 8.
Pentru informații cu privire la reziduuri vezi capitolul 13.

SECȚIUNEA 7: Manipulare și depozitare

- **7.1 Precauții pentru manipularea în condiții de securitate**
Trebuie asigurată o bună aerisire/aspirare la locul de muncă.
- **Indicații în caz de incendiu sau explozie:**
A nu se pulveriza produsul în direcția unei flăcări sau a unui corp incandescent.
Se vor îndepărta sursele de incendiu - fumatul interzis.
Se vor pregăti aparate de protecție respiratorie.
- **7.2 Condiții de depozitare în condiții de securitate, inclusiv eventuale incompatibilități**
- **Mod de păstrare:**
- **Condiții pentru depozite și rezervoare:**
Trebuie respectate normele administrative cu privire la păstrarea ambalajelor sub presiune.
- **Indicații cu privire la stocarea mixtă:** Nu este necesar.
- **Alte indicații cu privire la condițiile de depozitare:** Rezervoarele se vor închide ermetic.
- **Clasa de stocare:** 2 B
- **7.3 Utilizare (utilizări) finală (finale) specifică (specifice)** Nu există alte informații relevante.

RO

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SECȚIUNEA 8: Controale ale expunerii/protecția personală

· 8.1 Parametri de control

· **Ingredienții ale căror valori limită trebuie ținute sub control la locurile de muncă:****67-64-1 acetonă**VLM (RO) Valoare limita maxima 8 ore: 1210 mg/m³, 500 ppmIOELV (EU) Valoare limita maxima 8 ore: 1210 mg/m³, 500 ppm**115-10-6 dimetil eter**VLM (RO) Valoare limita maxima 8 ore: 1920 mg/m³, 1000 ppmIOELV (EU) Valoare limita maxima 8 ore: 1920 mg/m³, 1000 ppm**141-78-6 acetat de etil**VLM (RO) Valoare limita maxima 15 minute: 1468 mg/m³, 400 ppmValoare limita maxima 8 ore: 734 mg/m³, 200 ppmIOELV (EU) Valoare limita maxima 15 minute: 1468 mg/m³, 400 ppmValoare limita maxima 8 ore: 734 mg/m³, 200 ppm**74-98-6 propan**VLM (RO) Valoare limita maxima 15 minute: 1800 mg/m³, 1000 ppmValoare limita maxima 8 ore: 1400 mg/m³, 778 ppm**123-86-4 acetat de n-butil**VLM (RO) Valoare limita maxima 15 minute: 723 mg/m³, 150 ppmValoare limita maxima 8 ore: 241 mg/m³, 50 ppmIOELV (EU) Valoare limita maxima 15 minute: 723 mg/m³, 150 ppmValoare limita maxima 8 ore: 241 mg/m³, 50 ppm**108-65-6 acetat de 2-metoxi-1-metiletil**VLM (RO) Valoare limita maxima 15 minute: 550 mg/m³, 100 ppmValoare limita maxima 8 ore: 275 mg/m³, 50 ppm

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IOELV (EU) Valoare limita maxima 15 minute: 550 mg/m³, 100 ppmValoare limita maxima 8 ore: 275 mg/m³, 50 ppm

Skin

13463-67-7 dioxid de titanVLM (RO) Valoare limita maxima 15 minute: 15 mg/m³Valoare limita maxima 8 ore: 10 mg/m³**71-36-3 n-butanol**VLM (RO) Valoare limita maxima 15 minute: 200 mg/m³, 66 ppmValoare limita maxima 8 ore: 100 mg/m³, 33 ppm**67-63-0 propan-2-ol**VLM (RO) Valoare limita maxima 15 minute: 500 mg/m³, 203 ppmValoare limita maxima 8 ore: 200 mg/m³, 81 ppm· **Valori DNEL****67-64-1 acetonă**

Oral DNEL 62 mg/kg /per day (Consumer, longterm systemic)

Dermal DNEL 62 mg/kg /per day (Consumer, longterm systemic)

DNEL 186 mg/kg /per day (Worker, longterm systemic)

Inhalativ DNEL 2420 mg/m³ (Worker, acute local)DNEL 1210 mg/m³ (Worker, longterm systemic)DNEL 200 mg/m³ (Consumer, longterm systemic)DNEL 60 mg/m³

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141-78-6 acetat de etil

Oral	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Inhalativ	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)

123-86-4 acetat de n-butil

Oral	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermal	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
Inhalativ	DNEL	6 mg/kg /per day (Consumer, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm systemic)
	DNEL	600 mg/m ³ (Worker, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm local)
	DNEL	600 mg/m ³ (Worker, acute local)
	DNEL	35,7 mg/m ³ (Consumer, longterm systemic)
	DNEL	300 mg/m ³ (Consumer; acute systemic)
DNEL	35,7 mg/m ³ (Consumer, longterm local)	

108-65-6 acetat de 2-metoxi-1-metiletil

Dermal	DNEL	796 mg/kg /per day (Worker, longterm systemic)
	DNEL	320 mg/kg /per day (Consumer, longterm systemic)
Inhalativ	DNEL	275 mg/m ³ (Worker, longterm systemic)
	DNEL	33 mg/m ³ (Consumer, longterm systemic)

71-36-3 n-butanol

Oral	DNEL	3,125 mg/kg /per day (Consumer, longterm systemic)
Inhalativ	DNEL	310 mg/m ³ (Worker, longterm local)
	DNEL	55 mg/m ³ (Consumer, longterm local)

67-63-0 propan-2-ol

Oral	DNEL	26 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	888 mg/kg /per day (Worker, longterm systemic)
	DNEL	319 mg/kg /per day (Consumer, longterm systemic)
Inhalativ	DNEL	500 mg/m ³ (Worker, longterm systemic)
	DNEL	89 mg/m ³ (Consumer, longterm systemic)

· Valori PNEC**67-64-1 acetonă**

PNEC	10,6 mg/l (Freshwater)
PNEC	1,06 mg/l (Seawater)

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PNEC 21 mg/l (Sporadic release)
PNEC 100 mg/l (Sewage treatment plant)
PNEC 30,4 mg/kg (Freshwater sediment)
PNEC 3,04 mg/kg (Seawater sediment)
PNEC 29,5 mg/kg (Soil)

123-86-4 acetat de n-butil

PNEC 0,18 mg/l (Freshwater)
PNEC 0,018 mg/l (Seawater)
PNEC 0,36 mg/l (Sporadic release)
PNEC 35,6 mg/l (Sewage treatment plant)
PNEC 0,981 mg/kg (Freshwater sediment)
PNEC 0,0981 mg/kg (Seawater sediment)
PNEC 0,0903 mg/kg (Soil)

108-65-6 acetat de 2-metoxi-1-metiletil

PNEC 0,635 mg/l (Freshwater)
PNEC 0,064 mg/l (Seawater)
PNEC 100 mg/l (Sewage treatment plant)
PNEC 3,29 mg/kg (Freshwater sediment)
PNEC 0,329 mg/kg (Seawater sediment)
PNEC 0,29 mg/kg (Soil)

71-36-3 n-butanol

PNEC 0,082 mg/l (Freshwater)
PNEC 0,0082 mg/l (Seawater)
PNEC 2,25 mg/l (Sporadic release)
PNEC 2476 mg/l (Sewage treatment plant)
PNEC 0,178 mg/kg (Freshwater sediment)
PNEC 0,0178 mg/kg (Seawater sediment)
PNEC 0,015 mg/kg (Soil)

67-63-0 propan-2-ol

PNEC 140,9 mg/l (Freshwater)
PNEC 140,9 mg/l (Seawater)
PNEC 140,9 mg/l (Sporadic release)
PNEC 2251 mg/l (Sewage treatment plant)
PNEC 552 mg/kg (Freshwater sediment)
PNEC 552 mg/kg (Seawater sediment)

· Ingredienții cu valori limită biologice:**67-64-1 acetonă**

VLBO (RO) 50 mg/l
Material biologic: urină
Momentul recoltării: sfârșit schimb
Indicator biologic: Acetona

67-63-0 propan-2-ol

VLBO (RO) 50 mg/l
Material biologic: urină
Momentul recoltării: sfârșit schimb
Indicator biologic: Acetona

· Indicații suplimentare: S-au folosit ca bază listele valabile în momentul producției.

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- **8.2 Controale ale expunerii**
- **Controale tehnice corespunzătoare** Fără date suplimentare, a se vedea punctul 7.
- **Măsurile de protecție individuală, cum ar fi echipamentul de protecție personală**
- **Norme generale de protecție și de igienă în timpul lucrului:**
 - A se ține la distanță de alimente, băuturi și furaje.
 - A se îndepărta imediat hainele contaminate.
 - A se spăla mâinile înaintea pauzelor și la terminarea lucrului.
 - A nu se inhala gaze/vapori/aerosoli.
 - A se evita contactul cu ochii și pielea.
 - A se evita contactul cu ochii.
- **Protecție respiratorie**



In cazul expunerilor scurte și minime se va utiliza masca; în cazul celor mai intense și de durată se va utiliza aparatul autorespirator.

Filtru A2/P3

- **Protecția mâinilor**



Mănuși de protecție

- **Material pentru mănuși**

Butil-cauciuc

Alegerea unei mănuși potrivite depinde nu numai de material, ci și de alte caracteristici de calitate și diferă de la producător la producător.

- **Timp de penetrație al materialului pentru mănuși**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

Mănușile din cauciuc butilic cu o grosime de 0,4 mm prezintă o rezistență la solvenți timp de 42 până la 480 de minute. Ca măsură de protecție, recomandăm ca utilizatorii și persoanele însărcinate cu securitatea la locul de muncă să presupună un timp de rezistență la solvenți de 42 de minute. Luând în considerare datele din secțiunea 3 a fișei cu date de securitate, în cazuri particulare este posibil un timp de rezistență mai îndelungat.

- **Protejarea ochilor/feței**



Ochelari de protecție bine închisi.

SECTIUNEA 9: Proprietățile fizice și chimice

- **9.1 Informații privind proprietățile fizice și chimice de bază**
- **Indicații generale**
- **Starea fizică** Aerosol
- **Culoare:** diverse, în funcție de coloratură
- **Miros:** de solvent
- **Pragul de acceptare a mirosului:** Nedefinit.
- **Punctul de topire/punctul de înghețare:** nedefinit
- **Punctul de fierbere sau punctul inițial de fierbere și intervalul de fierbere** neaplicabil, aerosol
- **Inflamabilitatea** neaplicabil

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· Limita inferioară și superioară de explozie	
· inferioară:	2,6 Vol % (67-64-1 acetonă)
· superioară:	26,2 Vol % (115-10-6 dimetil eter)
· Punctul de inflamabilitate	Neaplicabil, aerosol
· Temperatură de aprindere:	240 °C
· Temperatura de descompunere:	Nedefinit.
· pH	Amestecul este insolubil (în apă).
· Vâscozitatea:	
· Viscozitatea cinematică	Nedefinit.
· dinamică:	Nedefinit.
· Solubilitate	
· Apa:	se amestecă puțin respectiv deloc
· Coeficientul de partiție n-octanol/apă (valoarea log)	Nedefinit.
· Presiunea vaporilor la 20 °C	4000 hPa
· Densitatea și/sau densitatea relativă	
· Densitate la 20 °C:	0,7 g/cm ³
· Densitatea relativă:	Nedefinit.
· Densitatea vaporilor:	Nedefinit.

· 9.2 Alte informații	
· Aspect:	
· Formă:	Aerosol
· Indicații importante pentru protejarea sănătății și a mediului, ca și pentru securitate	
· Proprietăți explozive:	Nedefinit.
· Nivelul solventului:	
· Solvent organic:	90,2 %
· Apă:	0,3 %
· VOC (EU)	.
	676,0 g/l
· VOC-EU%	90,20 %
· Conținut solid:	10,5 %
· Schimbare de stare de agregare	
· Viteza de evaporare	neaplicabil

· Informații cu privire la clasele de pericol fizic	
· Explozibili	nu apare
· Gaze inflamabile	nu apare
· Aerosoli	Aerosol extrem de inflamabil. Recipient sub presiune: Poate exploda dacă este încălzit.
· Gaze oxidante	nu apare
· Gaze sub presiune	nu apare
· Lichide inflamabile	nu apare
· Solide inflamabile	nu apare
· Substanțe și amestecuri autoreactive	nu apare
· Lichide piroforice	nu apare
· Solide piroforice	nu apare
· Substanțe și amestecuri care se autoîncălzesc	nu apare
· Substanțe și amestecuri care emit gaze inflamabile în contact cu apa	nu apare
· Lichide oxidante	nu apare
· Solide oxidante	nu apare
· Peroxizi organici	nu apare
· Corozive pentru metale	nu apare
· Explozivi desensibilizați	nu apare

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SECȚIUNEA 10: Stabilitate și reactivitate

- **10.1 Reactivitate** Nu există alte informații relevante.
- **10.2 Stabilitate chimică**
- **Descompunere termică/ condiții de evitat:** Produsul nu se descompune dacă este folosit conform normelor.
- **10.3 Posibilitatea de reacții periculoase** Nu se cunosc reacții periculoase.
- **10.4 Condiții de evitat** Nu există alte informații relevante.
- **10.5 Materiale incompatibile:** Nu există alte informații relevante.
- **10.6 Produși de descompunere periculoși:** Nu sînt cunoscuți produși de descompunere periculoși.

SECȚIUNEA 11: Informații toxicologice

- **11.1 Informații privind clasele de pericol definite în Regulamentul (CE) nr. 1272/2008**
- **Toxicitatea acută** Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

- **Valori LD/LC50 relevante pentru clasificare:**

67-64-1 acetonă

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalativ	LC50 / 4h	76 mg/l (rat)

141-78-6 acetat de etil

Oral	LD50	>18000 mg/kg (rab)
Dermal	LD50	5620 mg/kg (rat)
Inhalativ	LC50 / 4 h	1600 mg/m ³ (rat)

123-86-4 acetat de n-butil

Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalativ	LC50 / 4 h	>21 mg/m ³ (rat)

108-65-6 acetat de 2-metoxi-1-metiletil

Oral	LD50	8530 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalativ	LC50 / 4 h	>10000 mg/m ³ (rat)

71-36-3 n-butanol

Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalativ	LC50 / 4 h	17000 mg/m ³ (rat)

67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalativ	LC50	>25 mg/l (rat)
		LC 50: 6h

- **Corodarea/iritarea pielii**
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
Nu are efecte iritante
- **Lezarea gravă/iritarea ochilor** Provoacă o iritare gravă a ochilor.
- **Sensibilizarea căilor respiratorii sau a pielii**
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
Nu se cunosc efecte sensibilizante.
- **Mutagenitatea celulelor germinative**
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
- **Cancerigenitatea** Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.

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- **Toxicitatea pentru reproducere** Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
- **STOT (toxicitatea asupra organelor țintă specifice) – expunere unică**
Poate provoca somnolență sau amețelă.
- **STOT (toxicitatea asupra organelor țintă specifice) – expunere repetată**
Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
- **Pericolul prin aspirare** Pe baza datelor disponibile, criteriile de clasificare nu sunt îndeplinite.
- **11.2 Informații privind alte pericole**

· **Proprietăți de perturbator endocrin**

nici una dintre substanțele conținute nu este consemnată

SECȚIUNEA 12: Informații ecologice· **12.1 Toxicitate**· **Toxicitate acvatică:****67-64-1 acetonă**

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 dimetil eter

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

108-65-6 acetat de 2-metoxi-1-metiletil

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 n-butanol

LC50 / 96 h	1376 mg/l (fish)
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67-63-0 propan-2-ol

LC50/96h	9640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9714 mg/l (daphnia magna)

- **12.2 Persistență și degradabilitate** Nu există alte informații relevante.
- **12.3 Potențial de bioacumulare** Nu există alte informații relevante.
- **12.4 Mobilitate în sol** Nu există alte informații relevante.

· **12.5 Rezultatele evaluărilor PBT și vPvB**· **PBT:** neaplicabil· **vPvB:** neaplicabil· **12.6 Proprietăți de perturbator endocrin**

Produsul nu conține substanțe cu proprietăți de perturbare endocrină.

· **12.7 Alte efecte adverse**· **Alte indicații ecologice:**· **Indicații generale:**

Clasa de pericol pentru ape 1 (Autoclasificare): puțin periculos

Se poate infiltra în apele freactice, în rețeaua de apă și în canalizare numai dacă a fost diluat.

SECȚIUNEA 13: Considerații privind eliminarea· **13.1 Metode de tratare a deșeurilor**· **Recomandare:**

Produsul nu se va îndepărta împreună cu resturile menajere. Se va evita pătrunderea în canalizare.

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· Catalogul European al Deșeurilor

08 01 11*	deșeuri de vopsele și lacuri cu conținut de solvenți organici sau alte substanțe periculoase
15 01 04	ambalaje metalice

· Ambalaje impure:**· Recomandare:**

Eliminarea reziduurilor conform dispozițiilor administrative.

Eliminarea reziduurilor conform dispozițiilor administrative.

SECȚIUNEA 14: Informații referitoare la transport**· 14.1 Numărul ONU sau numărul de identificare****· ADR, IMDG, IATA** UN1950**· 14.2 Denumirea corectă ONU pentru expediție**

· ADR 1950 AEROSOLI
· IMDG AEROSOLS
· IATA AEROSOLS, flammable

· 14.3 Clasa (clasele) de pericol pentru transport**· ADR**

· Clasa 2.5F Gaze
· Lista de pericol 2.1

· IMDG, IATA

· Class 2.1 Gaze
· Label 2.1

· 14.4 Grupul de ambalare**· ADR, IMDG, IATA** nu apare**· 14.5 Pericole pentru mediul înconjurător:**

neaplicabil

· 14.6 Precauții speciale pentru utilizatori

Atenție: Gaze

· Număr de identificare a pericolului (Nr. Kemler):

-

· Nr. EMS:

F-D,S-U

· Stowage Code

SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
 SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
 For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2.
 For WASTE AEROSOLS:
 Segregation as for the appropriate subdivision of

· Segregation Code

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.	class 2.
· 14.7 Transportul maritim în vrac în conformitate cu instrumentele OMI	neaplicabil
· Transport/alte informații:	
· ADR	
· Cantități limitate / cantități limitate (LQ)	1L
· Cantități exceptate (EQ)	Cod: E0 Nu este acceptată ca și Cantitate Exceptată
· Categoria de transport:	2
· Codul de restricție pentru tuneluri:	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLI, 2.1

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SECȚIUNEA 15: Informații de reglementare

· **15.1 Regulamente/legislație în domeniul securității, al sănătății și al mediului specifice (specifică) pentru substanța sau amestecul în cauză**

· **Directiva 2012/18/UE**· **Denumirea substanțelor periculoase - ANEXA I** nici una dintre substanțele conținute nu este consemnată· **Categoria Seveso P3a AEROSOLI INFLAMABIL**· **Cantitățile relevante (în tone) ale substanțelor pentru încadrarea amplasamentelor de nivel inferior 150 t**· **Cantitățile relevante (în tone) ale substanțelor pentru încadrarea amplasamentelor de nivel superior 500 t**· **REGULAMENTUL (CE) NR. 1907/2006 ANEXA XVII** Condiții de restricționare: 3

· **Directiva 2011/65/UE privind restricțiile de utilizare a anumitor substanțe periculoase în echipamentele electrice și electronice - Anexa II**

nici una dintre substanțele conținute nu este consemnată

· **Regulamente naționale:**· **Alte dispoziții, limitări și decrete prohibitive:**

· **Substanțelor care prezintă motive de îngrijorare deosebită conform REACH, articolul 57**

nici una dintre substanțele conținute nu este consemnată

· **15.2 Evaluarea securității chimice:** Nu a fost efectuată o evaluare a securității chimice.**SECȚIUNEA 16: Alte informații**

Datele au fost raportate pe baza cunoștințelor noastre actuale, nu reprezintă totuși nici o garanție pentru caracteristicile produsului și nu motivează nici un raport juridic contractual.

· **principiile relevante**

H201 Exploziv; pericol de explozie în masă.

H220 Gaz extrem de inflamabil.

H225 Lichid și vapori foarte inflamabili.

H226 Lichid și vapori inflamabili.

H280 Conține un gaz sub presiune; pericol de explozie în caz de încălzire.

H302 Nociv în caz de înghițire.

H315 Provoacă iritarea pielii.

H318 Provoacă leziuni oculare grave.

(Continuare pe pagina 14)

Fișa cu date de securitate
conform Regulamentului (CE) nr. 1907/2006, Articolul 31

Tipărită la: 19.01.2023

Numărul versiunii 9 (înlocuiește versiunea 8) data de actualizare: 30.03.2022

Denumire comercială: BENMAN ACRYLIC COLOR MATTE

(Continuare pe pagina 13)

- H319 *Provocă o iritare gravă a ochilor.*
- H335 *Poate provoca iritarea căilor respiratorii.*
- H336 *Poate provoca somnolență sau amețală.*
- H351 *Susceptibil de a provoca cancer.*
- EUH066 *Expunerea repetată poate provoca uscarea sau crăparea pielii.*

· **Numărul de versiune al versiunii anterioare: 8**

· **Abrevieri și acronime:**

ADR: *Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

IMDG: *International Maritime Code for Dangerous Goods*

IATA: *International Air Transport Association*

GHS: *Globally Harmonised System of Classification and Labelling of Chemicals*

EINECS: *European Inventory of Existing Commercial Chemical Substances*

ELINCS: *European List of Notified Chemical Substances*

CAS: *Chemical Abstracts Service (division of the American Chemical Society)*

VOC: *Volatile Organic Compounds (USA, EU)*

DNEL: *Derived No-Effect Level (REACH)*

PNEC: *Predicted No-Effect Concentration (REACH)*

LC50: *Lethal concentration, 50 percent*

LD50: *Lethal dose, 50 percent*

PBT: *Persistent, Bioaccumulative and Toxic*

SVHC: *Substances of Very High Concern*

vPvB: *very Persistent and very Bioaccumulative*

Expl. 1.1: *Explozivi – Diviziunea 1.1*

Flam. Gas 1A: *Gaze inflamabile – Categoria 1A*

Aerosol 1: *Aerosoli – Categoria 1*

Press. Gas (Comp.): *Gaze sub presiune – Gaz comprimat*

Flam. Liq. 2: *Lichide inflamabile – Categoria 2*

Flam. Liq. 3: *Lichide inflamabile – Categoria 3*

Acute Tox. 4: *Toxicitate acută – Categoria 4*

Skin Irrit. 2: *Corodarea/iritarea pielii – Categoria 2*

Eye Dam. 1: *Lezarea gravă a ochilor/iritarea ochilor – Categoria 1*

Eye Irrit. 2: *Lezarea gravă a ochilor/iritarea ochilor – Categoria 2*

Carc. 2: *Cancerigenitate – Categoria 2*

STOT SE 3: *Toxicitate asupra unui organ țintă specific (o singură expunere) – Categoria 3*

· *** Date privitoare la versiunea anterioară modificată**

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RUBRIQUE 1: Identification de la substance/du mélange et de la société/de l'entreprise**1.1 Identificateur de produit****Nom du produit:** BENMAN ACRYLIC COLOR MATTE**Code du produit:** 28528, 28529**UFI:** SGVF-JW89-X52J-X68Y**1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées**

Pas d'autres informations importantes disponibles.

Secteur d'utilisation

SU21 Utilisations par des consommateurs: Ménages privés / public général / consommateurs

SU22 Utilisations professionnelles: Domaine public (administration, éducation, spectacle, services, artisans)

Catégorie du produit PC9a Revêtements et peintures, solvants, diluants**Catégorie de processus**

PROC7 Pulvérisation dans des installations industrielles

PROC11 Pulvérisation en dehors d'installations industrielles

Emploi de la substance / de la préparation Peinture pour pistolet**1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**

FF GROUP TOOL INDUSTRIES S.A.

9 km Attiki Odos (Exit 4), 19300 Aspropyrgos

Attica, Greece

Tel.: +30 211 850 9500

Email: info@ffgroup-toolindustries.com

1.4 Numéro d'appel d'urgence

FRANCE: numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59 24 heures sur 24 et 7 jours sur 7

BELGIUM: Centre Antipoisons-Antigifcentrum: +32 70 245 245 (24h/d, 7d/wk)

RUBRIQUE 2: Identification des dangers**2.1 Classification de la substance ou du mélange****Classification selon le règlement (CE) n° 1272/2008**

GHS02 flamme

Aérosol 1 H222-H229 Aérosol extrêmement inflammable. Récipient sous pression: peut éclater sous l'effet de la chaleur.



GHS07

Eye Irrit. 2 H319

Provoque une sévère irritation des yeux.

STOT SE 3 H336

Peut provoquer somnolence ou vertiges.

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- **2.2 Éléments d'étiquetage**
- **Etiquetage selon le règlement (CE) n° 1272/2008**
Le produit est classifié et étiqueté selon le règlement CLP.
- **Pictogrammes de danger**



GHS02 GHS07

- **Mention d'avertissement Danger**
- **Composants dangereux déterminants pour l'étiquetage:**
acétone
acétate d'éthyle
acétate de n-butyle
acétate de 2-méthoxy-1-méthyléthyle
- **Mentions de danger**
H222-H229 Aérosol extrêmement inflammable. Récipient sous pression: peut éclater sous l'effet de la chaleur.
H319 Provoque une sévère irritation des yeux.
H336 Peut provoquer somnolence ou vertiges.
- **Conseils de prudence**
P101 En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette.
P102 Tenir hors de portée des enfants.
P210 Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.
P211 Ne pas vaporiser sur une flamme nue ou sur toute autre source d'ignition.
P251 Ne pas perforer, ni brûler, même après usage.
P260 Ne pas respirer les aérosols.
P410+P412 Protéger du rayonnement solaire. Ne pas exposer à une température supérieure à 50 °C.
P501 Éliminer le contenu / récipient conformément à la réglementation régionale.
- **Indications complémentaires:**
EUH066 L'exposition répétée peut provoquer dessèchement ou gerçures de la peau.
Sans aération suffisante, il peut y avoir formation de mélanges explosifs.
EUH211 Attention! Des gouttelettes respirables dangereuses peuvent se former lors de la pulvérisation. Ne pas respirer les aérosols ni les brouillards.
- **2.3 Autres dangers**
- **Résultats des évaluations PBT et vPvB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

RUBRIQUE 3: Composition/informations sur les composants

- **3.2 Mélanges**
- **Description:** Mélange des substances mentionnées à la suite avec des additifs non dangereux.

Composants dangereux:

CAS: 67-64-1	acétone	25-<50%
EINECS: 200-662-2	Flam. Liq. 2, H225	
Numéro index: 606-001-00-8	Eye Irrit. 2, H319; STOT SE 3, H336	
Reg.nr.: 01-2119471330-49	EUH066	

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CAS: 115-10-6 EINECS: 204-065-8 Numéro index: 603-019-00-8 Reg.nr.: 01-2119472128-37	oxyde de diméthyle ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280	20-<25%
CAS: 141-78-6 EINECS: 205-500-4 Numéro index: 607-022-00-5 Reg.nr.: 01-2119475103-46	acétate d'éthyle ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Numéro index: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Numéro index: 607-025-00-1 Reg.nr.: 01-2119485493-29	acétate de n-butyle ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Numéro index: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane (< 0,1% butadiène (203-450-8)) ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Numéro index: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane (< 0,1% Butadien (203-450-8)) ⚠ Flam. Gas 1A, H220 ⚠ Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Numéro index: 607-195-00-7 Reg.nr.: 01-2119475791-29	acétate de 2-méthoxy-1-méthyléthyle ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2,5-<5%
CAS: 9004-70-0	nitrate de cellulose ⚠ Expl. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 Numéro index: 022-006-00-2 Reg.nr.: 01-2119489379-17	dioxyde de titane ⚠ Carc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 Numéro index: 603-004-00-6 Reg.nr.: 01-2119484630-38	butane-1-ol ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2,5%
CAS: 67-63-0 EINECS: 200-661-7 Numéro index: 603-117-00-0 Reg.nr.: 01-2119457558-25	propane-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	<2,5%

· Indications complémentaires:

CAS 9004-70-0: CLP Note T

Pour le libellé des phrases de risque citées, se référer au chapitre 16.

RUBRIQUE 4: Premiers secours**· 4.1 Description des mesures de premiers secours**

- **Après inhalation:** Donner de l'air frais, consulter un médecin en cas de troubles.
- **Après contact avec la peau:** En règle générale, le produit n'irrite pas la peau.

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- **Après contact avec les yeux:**
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières. Si les troubles persistent, consulter un médecin.
- **Après ingestion:**
Boire de l'eau en abondance et donner de l'air frais. Consulter immédiatement un médecin.
- **4.2 Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.
- **4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**
Pas d'autres informations importantes disponibles.

RUBRIQUE 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**
- **Moyens d'extinction:** Adapter les mesures d'extinction d'incendie à l'environnement.
- **5.2 Dangers particuliers résultant de la substance ou du mélange**
Formation de gaz toxiques en cas d'échauffement ou d'incendie.
- **5.3 Conseils aux pompiers -**
- **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence**
Veiller à une aération suffisante.
Porter un appareil de protection respiratoire.
Porter un équipement de sécurité. Eloigner les personnes non protégées.
Tenir éloigné des sources d'inflammation.
- **6.2 Précautions pour la protection de l'environnement**
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **6.3 Méthodes et matériel de confinement et de nettoyage:**
Evacuer les matériaux contaminés en tant que déchets conformément au point 13.
Assurer une aération suffisante.
- **6.4 Référence à d'autres rubriques**
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

- **7.1 Précautions à prendre pour une manipulation sans danger**
Veiller à une bonne ventilation/aspiration du poste de travail.
- **Préventions des incendies et des explosions:**
Ne pas vaporiser vers une flamme ou un corps incandescent.
Tenir à l'abri des sources d'inflammation - ne pas fumer.
Tenir des appareils de protection respiratoire prêts.
- **7.2 Conditions d'un stockage sûr, y compris les éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:**
Respecter les prescriptions légales pour le stockage des emballages sous pression.
- **Indications concernant le stockage commun:** Pas nécessaire.
- **Autres indications sur les conditions de stockage:** Tenir les emballages hermétiquement fermés.
- **Classe de stockage:** 2 B
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

BE

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RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

· 8.1 Paramètres de contrôle

· Composants présentant des valeurs-seuil à surveiller par poste de travail:

67-64-1 acétone

VL Valeur momentanée: 1187 2420* mg/m³, 492 1000* ppm
 Valeur à long terme: 594 1210* mg/m³, 246 500* ppm
 *jusqu'au 31.12.21

115-10-6 oxyde de diméthyle

VL Valeur à long terme: 1920 mg/m³, 1000 ppm

141-78-6 acétate d'éthyle

VL Valeur momentanée: 1468 mg/m³, 400 ppm
 Valeur à long terme: 734 mg/m³, 200 ppm

74-98-6 propane

VL Valeur à long terme: 1000 ppm

123-86-4 acétate de n-butyle

VL Valeur momentanée: 712 mg/m³, 150 ppm
 Valeur à long terme: 238 mg/m³, 50 ppm

106-97-8 butane (< 0,1% butadiène (203-450-8))

VL Valeur momentanée: 2370 mg/m³, 980 ppm

75-28-5 isobutane (< 0,1% Butadien (203-450-8))

VL Valeur momentanée: 2370 mg/m³, 980 ppm

108-65-6 acétate de 2-méthoxy-1-méthyléthyle

VL Valeur momentanée: 550 mg/m³, 100 ppm
 Valeur à long terme: 275 mg/m³, 50 ppm
 D;

13463-67-7 dioxyde de titane

VL Valeur à long terme: 10 mg/m³

71-36-3 butane-1-ol

VL Valeur à long terme: 62 mg/m³, 20 ppm
 D;

67-63-0 propane-2-ol

VL Valeur momentanée: 1000 mg/m³, 400 ppm
 Valeur à long terme: 500 mg/m³, 200 ppm

· DNEL

67-64-1 acétone

Oral	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermique	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Inhalatoire	DNEL	2420 mg/m ³ (Worker, acute local)
	DNEL	1210 mg/m ³ (Worker, longterm systemic)
	DNEL	200 mg/m ³ (Consumer, longterm systemic)
	DNEL	60 mg/m ³

141-78-6 acétate d'éthyle

Oral	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Dermique	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)

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<i>Inhalatoire</i>	<i>DNEL</i>	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	<i>DNEL</i>	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	<i>DNEL</i>	734 mg/m ³ /200 ppm (Worker, longterm local)
	<i>DNEL</i>	1468 mg/m ³ /400 ppm (Worker, acute local)
	<i>DNEL</i>	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	<i>DNEL</i>	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	<i>DNEL</i>	367 mg/m ³ /100 ppm (Consumer, longterm local)
	<i>DNEL</i>	734 mg/m ³ /200 ppm (Consumer, acute local)

123-86-4 acétate de n-butyle

<i>Oral</i>	<i>DNEL</i>	2 mg/kg /per day (Consumer, longterm systemic)
	<i>DNEL</i>	2 mg/kg /per day (Consumer, acute systemic)
<i>Dermique</i>	<i>DNEL</i>	11 mg/kg /per day (Worker, longterm systemic)
	<i>DNEL</i>	11 mg/kg /per day (Worker, acute systemic)
	<i>DNEL</i>	6 mg/kg /per day (Consumer, longterm systemic)
	<i>DNEL</i>	6 mg/kg /per day (Consumer, acute systemic)
<i>Inhalatoire</i>	<i>DNEL</i>	300 mg/m ³ (Worker, longterm systemic)
	<i>DNEL</i>	600 mg/m ³ (Worker, acute systemic)
	<i>DNEL</i>	300 mg/m ³ (Worker, longterm local)
	<i>DNEL</i>	600 mg/m ³ (Worker, acute local)
	<i>DNEL</i>	35,7 mg/m ³ (Consumer, longterm systemic)
	<i>DNEL</i>	300 mg/m ³ (Consumer; acute systemic)
	<i>DNEL</i>	35,7 mg/m ³ (Consumer, longterm local)

108-65-6 acétate de 2-méthoxy-1-méthyléthyle

<i>Dermique</i>	<i>DNEL</i>	796 mg/kg /per day (Worker, longterm systemic)
	<i>DNEL</i>	320 mg/kg /per day (Consumer, longterm systemic)
<i>Inhalatoire</i>	<i>DNEL</i>	275 mg/m ³ (Worker, longterm systemic)
	<i>DNEL</i>	33 mg/m ³ (Consumer, longterm systemic)

71-36-3 butane-1-ol

<i>Oral</i>	<i>DNEL</i>	3,125 mg/kg /per day (Consumer, longterm systemic)
<i>Inhalatoire</i>	<i>DNEL</i>	310 mg/m ³ (Worker, longterm local)
	<i>DNEL</i>	55 mg/m ³ (Consumer, longterm local)

67-63-0 propane-2-ol

<i>Oral</i>	<i>DNEL</i>	26 mg/kg /per day (Consumer, longterm systemic)
<i>Dermique</i>	<i>DNEL</i>	888 mg/kg /per day (Worker, longterm systemic)
	<i>DNEL</i>	319 mg/kg /per day (Consumer, longterm systemic)
<i>Inhalatoire</i>	<i>DNEL</i>	500 mg/m ³ (Worker, longterm systemic)
	<i>DNEL</i>	89 mg/m ³ (Consumer, longterm systemic)

· PNEC**67-64-1 acétone**

<i>PNEC</i>	10,6 mg/l (Freshwater)
<i>PNEC</i>	1,06 mg/l (Seawater)
<i>PNEC</i>	21 mg/l (Sporadic release)
<i>PNEC</i>	100 mg/l (Sewage treatment plant)
<i>PNEC</i>	30,4 mg/kg (Freshwater sediment)
<i>PNEC</i>	3,04 mg/kg (Seawater sediment)

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PNEC	29,5 mg/kg (Soil)
123-86-4 acétate de n-butyle	
PNEC	0,18 mg/l (Freshwater)
PNEC	0,018 mg/l (Seawater)
PNEC	0,36 mg/l (Sporadic release)
PNEC	35,6 mg/l (Sewage treatment plant)
PNEC	0,981 mg/kg (Freshwater sediment)
PNEC	0,0981 mg/kg (Seawater sediment)
PNEC	0,0903 mg/kg (Soil)
108-65-6 acétate de 2-méthoxy-1-méthyléthyle	
PNEC	0,635 mg/l (Freshwater)
PNEC	0,064 mg/l (Seawater)
PNEC	100 mg/l (Sewage treatment plant)
PNEC	3,29 mg/kg (Freshwater sediment)
PNEC	0,329 mg/kg (Seawater sediment)
PNEC	0,29 mg/kg (Soil)
71-36-3 butane-1-ol	
PNEC	0,082 mg/l (Freshwater)
PNEC	0,0082 mg/l (Seawater)
PNEC	2,25 mg/l (Sporadic release)
PNEC	2476 mg/l (Sewage treatment plant)
PNEC	0,178 mg/kg (Freshwater sediment)
PNEC	0,0178 mg/kg (Seawater sediment)
PNEC	0,015 mg/kg (Soil)
67-63-0 propane-2-ol	
PNEC	140,9 mg/l (Freshwater)
PNEC	140,9 mg/l (Seawater)
PNEC	140,9 mg/l (Sporadic release)
PNEC	2251 mg/l (Sewage treatment plant)
PNEC	552 mg/kg (Freshwater sediment)
PNEC	552 mg/kg (Seawater sediment)

Remarques supplémentaires:

Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

8.2 Contrôles de l'exposition· **Contrôles techniques appropriés** Sans autre indication, voir point 7.· **Mesures de protection individuelle, telles que les équipements de protection individuelle**· **Mesures générales de protection et d'hygiène:**

Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.

Retirer immédiatement les vêtements souillés ou humectés.

Se laver les mains avant les pauses et en fin de travail.

Ne pas inhaler les gaz, les vapeurs et les aérosols.

Eviter tout contact avec les yeux et avec la peau.

Eviter tout contact avec les yeux.

Protection respiratoire:

En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.

(suite page 8)

Nom du produit: BENMAN ACRYLIC COLOR MATTE

(suite de la page 7)

Filtre A2/P3

· **Protection des mains:**



Gants de protection

· **Matériau des gants**

Butylcaoutchouc

Le choix de gants appropriés ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.

· **Temps de pénétration du matériau des gants**

Gants en caoutchouc butyle avec une épaisseur de 0,4 mm sont résistantes à:

Acétone: 480 min

Acétate de n-butyle: 60 min

Acétate d'éthyle: 170 min

Xylène: 42 min

Les gants en caoutchouc butyle d'une épaisseur de 0,4 mm résistent aux solvants pendant 42 à 480 minutes. Comme mesure de protection, nous recommandons que les utilisateurs et les personnes responsables de la sécurité du travail présupposent une durée de résistance aux solvants de 42 heures. Si l'on examine les données au chapitre 3 de cette fiche de données de sécurité, on peut présupposer une durée de résistance plus longue dans certains cas.

· **Protection des yeux/du visage**



Lunettes de protection hermétiques

RUBRIQUE 9: Propriétés physiques et chimiques

· **9.1 Informations sur les propriétés physiques et chimiques essentielles**

· **Indications générales**

· **État physique**

Aérosol

· **Couleur:**

Divers, selon l'encrage

· **Odeur:**

De type solvanté

· **Seuil olfactif:**

Non déterminé.

· **Point de fusion/point de congélation:**

Non déterminé.

· **Point d'ébullition ou point initial d'ébullition et intervalle d'ébullition**

Non applicable, s'agissant d'un aérosol.

· **Inflammabilité**

Non applicable.

· **Limites inférieure et supérieure d'explosion**

· **Inférieure:**

2,6 Vol % (67-64-1 acétone)

· **Supérieure:**

26,2 Vol % (115-10-6 oxyde de diméthyle)

· **Point d'éclair**

Non applicable, s'agissant d'un aérosol.

· **Température d'inflammation:**

240 °C (464 °F)

· **Température de décomposition:**

Non déterminé.

· **pH**

Le mélange n'est pas soluble (dans l'eau).

· **Viscosité:**

· **Viscosité cinématique**

Non déterminé.

· **Dynamique:**

Non déterminé.

· **Solubilité**

· **l'eau:**

Pas ou peu miscible

· **Coefficient de partage n-octanol/eau (valeur log)**

Non déterminé.

· **Pression de vapeur à 20 °C (68 °F):**

4000 hPa (3000,2 mm Hg)

· **Densité et/ou densité relative**

· **Densité à 20 °C (68 °F):**

0,7 g/cm³ (5,8 lbs/gal)

(suite page 9)

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- | | |
|-----------------------------|----------------|
| · <i>Densité relative</i> | Non déterminé. |
| · <i>Densité de vapeur:</i> | Non déterminé. |

· 9.2 Autres informations

- | | |
|--|-----------------|
| · <i>Aspect:</i> | |
| · <i>Forme:</i> | Aérosol |
| · <i>Indications importantes pour la protection de la santé et de l'environnement ainsi que pour la sécurité</i> | |
| · <i>Propriétés explosives:</i> | Non déterminé. |
| · <i>Teneur en solvants:</i> | |
| · <i>Solvants organiques:</i> | 90,2 % |
| · <i>Eau:</i> | 0,3 % |
| · <i>VOC (CE)</i> | -- |
| | 676,0 g/l |
| · <i>CE-COV %</i> | 90,20 % |
| · <i>Teneur en substances solides:</i> | 10,5 % |
| · <i>Changement d'état</i> | |
| · <i>Taux d'évaporation:</i> | Non applicable. |

· Informations concernant les classes de danger physique

- | | |
|---|--|
| · <i>Substances et mélanges explosibles</i> | néant |
| · <i>Gaz inflammables</i> | néant |
| · <i>Aérosols</i> | Aérosol extrêmement inflammable. Récipient sous pression: peut éclater sous l'effet de la chaleur. |
| · <i>Gaz comburants</i> | néant |
| · <i>Gaz sous pression</i> | néant |
| · <i>Liquides inflammables</i> | néant |
| · <i>Matières solides inflammables</i> | néant |
| · <i>Substances et mélanges autoréactifs</i> | néant |
| · <i>Liquides pyrophoriques</i> | néant |
| · <i>Matières solides pyrophoriques</i> | néant |
| · <i>Matières et mélanges auto-échauffants</i> | néant |
| · <i>Substances et mélanges qui dégagent des gaz inflammables au contact de l'eau</i> | néant |
| · <i>Liquides comburants</i> | néant |
| · <i>Matières solides comburantes</i> | néant |
| · <i>Peroxydes organiques</i> | néant |
| · <i>Substances ou mélanges corrosifs pour les métaux</i> | néant |
| · <i>Explosibles désensibilisés</i> | néant |

RUBRIQUE 10: Stabilité et réactivité

- **10.1 Réactivité** Pas d'autres informations importantes disponibles.
- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

RUBRIQUE 11: Informations toxicologiques

- **11.1 Informations sur les classes de danger telles que définies dans le règlement (CE) no 1272/2008**
- **Toxicité aiguë** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

(suite page 10)

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· Valeurs LD/LC50 déterminantes pour la classification:

67-64-1 acétone

Oral	LD50	5800 mg/kg (rat)
Dermique	LD50	>15800 mg/kg (lapin)
Inhalatoire	LC50 / 4h	76 mg/l (rat)

141-78-6 acétate d'éthyle

Oral	LD50	>18000 mg/kg (lapin)
Dermique	LD50	5620 mg/kg (rat)
Inhalatoire	LC50 / 4 h	1600 mg/m3 (rat)

123-86-4 acétate de n-butyle

Oral	LD50	10800 mg/kg (rat) (OECD 401)
Dermique	LD50	>17600 mg/kg (lapin)
Inhalatoire	LC50 / 4 h	>21 mg/m3 (rat)

108-65-6 acétate de 2-méthoxy-1-méthyléthyle

Oral	LD50	8530 mg/kg (rat)
Dermique	LD50	>5000 mg/kg (lapin)
Inhalatoire	LC50 / 4 h	>10000 mg/m3 (rat)

71-36-3 butane-1-ol

Oral	LD50	2292 mg/kg (rat)
Dermique	LD50	3430 mg/kg (lapin)
Inhalatoire	LC50 / 4 h	17000 mg/m3 (rat)

67-63-0 propane-2-ol

Oral	LD50	5840 mg/kg (rat)
Dermique	LD50	13900 mg/kg (lapin)
Inhalatoire	LC50	>25 mg/l (rat) LC 50: 6h

· **Corrosion cutanée/irritation cutanée**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
Pas d'effet d'irritation.

· **Lésions oculaires graves/irritation oculaire** Provoque une sévère irritation des yeux.· **Sensibilisation respiratoire ou cutanée**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
Aucun effet de sensibilisation connu.

· **Mutagénicité sur les cellules germinales**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

· **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.· **Toxicité pour la reproduction**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

· **Toxicité spécifique pour certains organes cibles (STOT) - exposition unique**

Peut provoquer somnolence ou vertiges.

· **Toxicité spécifique pour certains organes cibles (STOT) - exposition répétée**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

· **Danger par aspiration**

Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

· **11.2 Informations sur les autres dangers**· **Propriétés perturbant le système endocrinien**

Aucun des composants n'est compris.

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RUBRIQUE 12: Informations écologiques

· **12.1 Toxicité**

· **Toxicité aquatique:**

67-64-1 acétone

LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))

115-10-6 oxyde de diméthyle

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

108-65-6 acétate de 2-méthoxy-1-méthyléthyle

EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)

71-36-3 butane-1-ol

LC50 / 96 h	1376 mg/l (fish)
-------------	------------------

67-63-0 propane-2-ol

LC50/96h	9640 mg/l (pimephales promelas; 96h)
LC50 / 24 h	9714 mg/l (daphnia magna)

· **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.

· **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.

· **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.

· **12.5 Résultats des évaluations PBT et vPvB**

· **PBT:** Non applicable.

· **vPvB:** Non applicable.

· **12.6 Propriétés perturbant le système endocrinien**

Le produit ne contient pas de substances avec des propriétés perturbatrices endocriniennes.

· **12.7 Autres effets néfastes**

· **Autres indications écologiques:**

· **Indications générales:**

Catégorie de pollution des eaux 1 (D) (Classification propre): peu polluant

Ne pas laisser le produit, non dilué ou en grande quantité, pénétrer la nappe phréatique, les eaux ou les canalisations.

RUBRIQUE 13: Considérations relatives à l'élimination

· **13.1 Méthodes de traitement des déchets**

· **Recommandation:**

Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.

· **Catalogue européen des déchets**

08 01 11*	déchets de peintures et vernis contenant des solvants organiques ou d'autres substances dangereuses
15 01 04	emballages métalliques

· **Emballages non nettoyés:**

· **Recommandation:**

Evacuation conformément aux prescriptions légales.

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Evacuation conformément aux prescriptions légales.

RUBRIQUE 14: Informations relatives au transport

· 14.1 Numéro ONU ou numéro d'identification · ADR, IMDG, IATA	UN1950
· 14.2 Désignation officielle de transport de l'ONU · ADR · IMDG · IATA	1950 AÉROSOLS AEROSOLS AEROSOLS, inflammable
· 14.3 Classe(s) de danger pour le transport · ADR	
	
· Classe · Étiquette	2.5F Gaz. 2.1
· IMDG, IATA	
	
· Class · Label	2.1 Gaz. 2.1
· 14.4 Groupe d'emballage · ADR, IMDG, IATA	néant
· 14.5 Dangers pour l'environnement	Non applicable.
· 14.6 Précautions particulières à prendre par l'utilisateur · Numéro d'identification du danger (Indice Kemler): - · No EMS: · Stowage Code	Attention: Gaz. F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Transport maritime en vrac conformément aux instruments de l'OMI	Non applicable.

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· **Indications complémentaires de transport:**

- | | |
|---|--|
| · ADR | |
| · Quantités limitées (LQ) | 1L |
| · Quantités exceptées (EQ) | Code: E0
Non autorisé en tant que quantité exceptée |
| · Catégorie de transport | 2 |
| · Code de restriction en tunnels | D |

· **IMDG**

- | | |
|-----------------------------------|--|
| · Limited quantities (LQ) | 1L |
| · Excepted quantities (EQ) | Code: E0
Not permitted as Excepted Quantity
Code: E0
Not permitted as Excepted Quantity |

- | | |
|-------------------------------------|-----------------------|
| · "Règlement type" de l'ONU: | UN 1950 AÉROSOLS, 2.1 |
|-------------------------------------|-----------------------|

RUBRIQUE 15: Informations relatives à la réglementation

- **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

- **Directive 2012/18/UE**
- **Substances dangereuses désignées - ANNEXE I** Aucun des composants n'est compris.
- **Catégorie SEVESO P3a AÉROSOLS INFLAMMABLES**
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil bas 150 t**
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil haut 500 t**
- **RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII** Conditions de limitation: 3

- **Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques – Annexe II**

Aucun des composants n'est compris.

- **Prescriptions nationales:**
- **Autres prescriptions, restrictions et règlements d'interdiction**

- **Substances extrêmement préoccupantes (SVHC) selon REACH, article 57**

Aucun des composants n'est compris.

- **15.2 Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n'a pas été réalisée.

RUBRIQUE 16: Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· **Phrases importantes**

- | | |
|------|--|
| H201 | Explosif; danger d'explosion en masse. |
| H220 | Gaz extrêmement inflammable. |
| H225 | Liquide et vapeurs très inflammables. |
| H226 | Liquide et vapeurs inflammables. |
| H280 | Contient un gaz sous pression; peut exploser sous l'effet de la chaleur. |
| H302 | Nocif en cas d'ingestion. |
| H315 | Provoque une irritation cutanée. |
| H318 | Provoque de graves lésions des yeux. |
| H319 | Provoque une sévère irritation des yeux. |
| H335 | Peut irriter les voies respiratoires. |
| H336 | Peut provoquer somnolence ou vertiges. |

(suite page 14)

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H351 Susceptible de provoquer le cancer.

EUH066 L'exposition répétée peut provoquer dessèchement ou gerçures de la peau.

· **Numéro de la version précédente: 8**

· **Acronymes et abréviations:**

ADR: Accord relatif au transport international des marchandises dangereuses par route

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Expl. 1.1: Explosibles – Division 1.1

Flam. Gas 1A: Gaz inflammables – Catégorie 1A

Aerosol 1: Aérosols – Catégorie 1

Press. Gas (Comp.): Gaz sous pression – Gaz comprimé

Flam. Liq. 2: Liquides inflammables – Catégorie 2

Flam. Liq. 3: Liquides inflammables – Catégorie 3

Acute Tox. 4: Toxicité aiguë – Catégorie 4

Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2

Eye Dam. 1: Lésions oculaires graves/irritation oculaire – Catégorie 1

Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2

Carc. 2: Cancérogénicité – Catégorie 2

STOT SE 3: Toxicité spécifique pour certains organes cibles (exposition unique) – Catégorie 3

**Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 19.01.2023

Αναθεώρηση: 30.03.2022

Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

ΤΜΗΜΑ 1: Προσδιορισμός ουσίας/μείγματος και εταιρείας/επιχείρησης

- **1.1 Αναγνωριστικός κωδικός προϊόντος**
 - **Όνομασία του προϊόντος στο εμπόριο:** **BENMAN ACRYLIC COLOR MATTE**
 - **Αριθμός προϊόντος:** 28528, 28529
 - **UFI:** SGVF-JW89-X52J-X68Y
- **1.2 Συναφείς προσδιοριζόμενες χρήσεις της ουσίας ή του μείγματος και αντενδεικνυόμενες χρήσεις**
Δεν υπάρχουν άλλες διαθέσιμες σχετικές πληροφορίες.
- **Τομέας χρήσης**
 - SU21 Καταναλωτικές χρήσεις: Ιδιωτικά νοικοκυριά / ευρύ κοινό / καταναλωτές
 - SU22 Επαγγελματικές χρήσεις: Δημόσιος τομέας (διοίκηση, εκπαίδευση, ψυχαγωγία, υπηρεσίες, τεχνίτες)
- **Κατηγορία χημικού προϊόντος** PC9a Επιχρίσματα και βαφές, αραιωτικά, υλικά αφαίρεσης βαφής
- **Κατηγορία διαδικασίας**
 - PROC7 Βιομηχανικός ψεκασμός
 - PROC11 Μη βιομηχανικός ψεκασμός
- **Χρήση του υλικού / του μείγματος** Ψεκαζόμενη βαφή
- **1.3 Στοιχεία του προμηθευτή του δελτίου δεδομένων ασφαλείας**
FF GROUP TOOL INDUSTRIES A.E.
9ο χλμ Παράδρομος Αττικής Οδού (Εξοδος 4)
Ασπρόπυργος, Θέση Ρουπάκι, TK 19300
Τηλ.: (+30) 210-5598400
Email: info@ffgroup-toolindustries.com
- **1.4 Αριθμός τηλεφώνου επείγουσας ανάγκης:** 210 7793777 (24ώρες/7ημέρες) - ΕΛΛΑΔΑ
1401 (24ώρες/7ημέρες) - ΚΥΠΡΟΣ

ΤΜΗΜΑ 2: Προσδιορισμός επικινδυνότητας

- **2.1 Ταξινόμηση της ουσίας ή του μείγματος**
- **Ταξινόμηση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**



GHS02 φλόγα

Aerosol 1 H222-H229 Εξαιρετικά εύφλεκτο αερόλυμα. Δοχείο υπό πίεση. Κατά τη θέρμανση μπορεί να διαρραγεί.



GHS07

Eye Irrit. 2 H319 Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
STOT SE 3 H336 Μπορεί να προκαλέσει υπνηλία ή ζάλη.

(συνέχεια στη σελίδα 2)

GR

Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 19.01.2023

Αναθεώρηση: 30.03.2022

Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 1)

- **2.2 Στοιχεία ετικέτας**
- **Επισήμανση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**
 Το προϊόν ταξινομείται και επισημαίνεται σύμφωνα με τον κανονισμό CLP.
- **Εικονογράμματα κινδύνου**



GHS02 GHS07

- **Προειδοποιητική λέξη Κίνδυνος**
- **Επικίνδυνα συστατικά πρέπει να αναφέρονται στις ετικέτες:**
 ακετόνη
 οξικός αιθυλεστέρας
 οξικός n-βουτυλεστέρας
 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο
- **Δηλώσεις επικινδυνότητας**
 H222-H229 Εξαιρετικά εύφλεκτο αερόλυμα. Δοχείο υπό πίεση. Κατά τη θέρμανση μπορεί να διαρραγεί.
 H319 Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
 H336 Μπορεί να προκαλέσει υπνηλία ή ζάλη.
- **Δηλώσεις προφυλάξεων**
 P101 Εάν ζητήσετε ιατρική συμβουλή, να έχετε μαζί σας τον περιέκτη του προϊόντος ή την ετικέτα.
 P102 Μακριά από παιδιά.
 P210 Μακριά από θερμότητα, θερμές επιφάνειες, σπινθήρες, γυμνή φλόγα και άλλες πηγές ανάφλεξης.
 Μην καπνίζετε.
 P211 Μην ψεκάζετε κοντά σε γυμνή φλόγα ή άλλη πηγή ανάφλεξης.
 P251 Να μην τρυπηθεί ή καεί ακόμη και μετά τη χρήση.
 P260 Μην αναπνέετε εκνεφώματα.
 P410+P412 Να προστατεύεται από τις ηλιακές ακτίνες. Να μην εκτίθεται σε θερμοκρασίες που υπερβαίνουν τους 50 °C.
 P501 Απορρίψτε τα περιεχόμενα / δοχείο σύμφωνα με τους τοπικούς κανονισμούς.
- **Συμπληρωματικές πληροφορίες:**
 EUH066 Παρατεταμένη έκθεση μπορεί να προκαλέσει ξηρότητα δέρματος ή σκάσιμο.
 Χωρίς επαρκή αερισμό μπορούν να δημιουργηθούν εκρηκτικά μείγματα.
 EUH211 Προσοχή! Κατά τον ψεκάσμο μπορούν να σχηματιστούν επικίνδυνα εισπνεύσιμα σταγονίδια. Μην αναπνέετε το εκνέφωμα ή τα σταγονίδια.
- **2.3 Άλλοι κίνδυνοι**
- **Αποτελέσματα της αξιολόγησης ABT και αΑαB**
- **ABT:** Μη χρησιμοποιήσιμο
- **ΑΑαB:** Μη χρησιμοποιήσιμο

ΤΜΗΜΑ 3: Σύνθεση/πληροφορίες για τα συστατικά

- **3.2 Μείγματα**
- **Περιγραφή:** Μείγμα αποτελούμενο από τα ακόλουθως αναφερόμενα στοιχεία. με ακίνδυνες αναμειξίες.

(συνέχεια στη σελίδα 3)

GR

Δελτίο δεδομένων ασφαλείας
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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 2)

· Επικίνδυνα συστατικά:		
CAS: 67-64-1 EINECS: 200-662-2 Αριθμός ευρετηρίου: 606-001-00-8 Reg.nr.: 01-2119471330-49	ακετόνη ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Αριθμός ευρετηρίου: 603-019-00-8 Reg.nr.: 01-2119472128-37	διμεθυλαιθέρας ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	20-<25%
CAS: 141-78-6 EINECS: 205-500-4 Αριθμός ευρετηρίου: 607-022-00-5 Reg.nr.: 01-2119475103-46	οξικός αιθυλεστέρας ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Αριθμός ευρετηρίου: 601-003-00-5 Reg.nr.: 01-2119486944-21	προπάνιο ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Αριθμός ευρετηρίου: 607-025-00-1 Reg.nr.: 01-2119485493-29	οξικός n-βουτυλεστέρας ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Αριθμός ευρετηρίου: 601-004-00-0 Reg.nr.: 01-2119474691-32	βουτάνιο ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Αριθμός ευρετηρίου: 601-004-00-0 Reg.nr.: 01-2119485395-27	ισοβουτάνιο ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Αριθμός ευρετηρίου: 607-195-00-7 Reg.nr.: 01-2119475791-29	οξικό 2-μεθοξυ-1-μεθυλαιθύλιο ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2,5-<5%
CAS: 9004-70-0	cellulose nitrate ⚠ Expl. 1.1, H201	<2,5%
CAS: 13463-67-7 EINECS: 236-675-5 Αριθμός ευρετηρίου: 022-006-00-2 Reg.nr.: 01-2119489379-17	διοξείδιο του τιτάνιου ⚠ Carc. 2, H351	<2,5%
CAS: 71-36-3 EINECS: 200-751-6 Αριθμός ευρετηρίου: 603-004-00-6 Reg.nr.: 01-2119484630-38	βουταν-1-όλη ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	<2,5%

(συνέχεια στη σελίδα 4)

Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 3)

CAS: 67-63-0


EINECS: 200-661-7

Αριθμός ευρετηρίου: 603-117-00-0

Reg.nr.: 01-2119457558-25

ισοπροπυλική αλκοόλη

 Flam. Liq. 2, H225

 Eye Irrit. 2, H319; STOT SE 3, H336

<2,5%

• Συμπληρωματικές υποδείξεις:

CAS 9004-70-0: CLP Σημείωση T

Για την εξήγηση των αναφερόμενων υποδείξεων κινδύνου θα πρέπει να ανατρέξετε στο Κεφάλαιο 16.

ΤΜΗΜΑ 4: Μέτρα πρώτων βοηθειών

• 4.1 Περιγραφή μέτρων πρώτων βοηθειών
• Μετά από εισπνοή: Απαραίτητος ο καθαρός αέρας, σε περίπτωση ενοχλήσεων καλέστε γιατρό.

• Μετά από επαφή με το δέρμα: Γενικά το προϊόν δεν ερεθίζει το δέρμα

• μετά από επαφή με τα μάτια:
Να πλύνετε τα μάτια κάτω από τρεχούμενο νερό αρκετή ώρα και ανοιχτά τα βλέφαρα. Αν συνεχίζονται οι ενοχλήσεις συμβουλευτείτε τον γιατρό.
• μετά από κατάποση:
Απαιτείται κατανάλωση αρκετής ποσότητας νερού και παραμονή στο καθαρό αέρα. Καλέστε κατευθείαν γιατρό.
• 4.2 Σημαντικότερα συμπτώματα και επιδράσεις, άμεσες ή μεταγενέστερες
Δεν διατίθενται άλλες σχετικές πληροφορίες.
• 4.3 Ένδειξη οποιασδήποτε απαιτούμενης άμεσης ιατρικής φροντίδας και ειδικής θεραπείας
Δεν διατίθενται άλλες σχετικές πληροφορίες.

ΤΜΗΜΑ 5: Μέτρα για την καταπολέμηση της πυρκαγιάς

• 5.1 Πυροσβεστικά μέσα
• Κατάλληλα πυροσβεστικά μέσα. Τα μέτρα κατασβέσεως της φωτιάς εναρμονίζονται με τα περιεχόμενα.

• 5.2 Ειδικοί κίνδυνοι που προκύπτουν από την ουσία ή το μείγμα
Σε περίπτωση υπερθερμάνσεως ή πυρκαϊάς εκλύονται τοξικά αέρια.
• 5.3 Συστάσεις για τους πυροσβέστες -
• Ειδικός προστατευτικός εξοπλισμός: Χρησιμοποιείστε αναπνευστική συσκευή.

ΤΜΗΜΑ 6: Μέτρα σε περίπτωση ακούσιας έκλυσης

• 6.1 Προσωπικές προφυλάξεις, προστατευτικός εξοπλισμός και διαδικασίες έκτακτης ανάγκης
Φροντίστε για επαρκή αερισμό.
Χρησιμοποιήστε αναπνευστική συσκευή.
Χρησιμοποιείστε προστατευτικό εξοπλισμό. Απομακρύνετε τα απροστάτευτα πρόσωπα.
Μακριά από πηγές αναφλέξεως.
• 6.2 Περιβαλλοντικές προφυλάξεις:
Μην το αδειάζετε στην αποχέτευση και επιφάνειες υδάτων. Δεν πρέπει να διεισδύσει στα γήινα νερά.
• 6.3 Μέθοδοι και υλικά για περιορισμό και καθαρισμό:
Εναποθέστε μολυσμένα υλικά ως επικίνδυνα απόβλητα κατά το σημείο 13.
Μεριμνήστε για επαρκή αερισμό.
• 6.4 Παραπομπή σε άλλα τμήματα
Πληροφορίες για τον σίγουρο χειρισμό βλέπε κεφάλαιο 7.
Πληροφορίες για τον ατομικό προστατευτικό εξοπλισμό βρείτε στο κεφάλαιο 8.
Πληροφορίες για την εναποθέτηση βλέπε κεφάλαιο 13.

GR

(συνέχεια στη σελίδα 5)

Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 4)

ΤΜΗΜΑ 7: Χειρισμός και αποθήκευση

- **7.1 Προφυλάξεις για ασφαλή χειρισμό**
Φροντίστε για τον καλό εξαερισμό/απορρόφηση του αέρα στο τόπο εργασίας.
- **Οδηγίες για τον τρόπο προστασίας κατά της πυρκαϊάς και έκρηξης:**
Μην ψεκάζετε το προϊόν πάνω από φωτιά ή πυρακτωμένα αντικείμενα
Μακριά από πηγές αναφλέξεως - Απαγορεύεται το κάπνισμα.
Να έχετε έτοιμες τις αναπνευστικές συσκευές.
- **7.2 Συνθήκες ασφαλούς φύλαξης, συμπεριλαμβανομένων τυχόν ασυμβατοτήτων**
- **Αποθήκευση:**
- **Απαιτήσεις για τους χώρους αποθήκευσης και τους περιέκτες**
Να λαμβάνετε υπόψη τις διατάξεις των κατά τόπους Αρχών για την αποθήκευση περιβλημάτων πεπαισμένων αερίων.
- **Υποδείξεις συναποθήκευσης:** δεν απαιτείται
- **Περαιτέρω δηλώσεις για τους όρους αποθήκευσης:** Να διατηρείται σε καλά κλεισμένο δοχείο.
- **Αποθήκευση κατηγορίας:** 2 B
- **7.3 Ειδική τελική χρήση ή χρήσεις** Δεν είναι διαθέσιμες άλλες σχετικές πληροφορίες.

ΤΜΗΜΑ 8: Έλεγχος της έκθεσης/ατομική προστασία

· 8.1 Παράμετροι ελέγχου

- **Συστατικά στοιχεία με οροθετικές τιμές αφορούσες τον τόπο εργασίας και που οφείλουν να επιτηρούνται:**

67-64-1 ακετόνη

TWA Μικρότερο χρονικό όριο: 3560 mg/m³
Μεγαλύτερο χρονικό όριο: 1780 mg/m³

115-10-6 διμεθυλαιθέρας

TWA Μεγαλύτερο χρονικό όριο: 1920 mg/m³, 1000 ppm

141-78-6 οξικός αιθυλεστέρας

TWA Μικρότερο χρονικό όριο: 1468 mg/m³, 400 ppm
Μεγαλύτερο χρονικό όριο: 734 mg/m³, 200 ppm

74-98-6 προπάνιο

TWA Μεγαλύτερο χρονικό όριο: 1800 mg/m³, 1000 ppm

123-86-4 οξικός n-βουτυλεστέρας

TWA Μικρότερο χρονικό όριο: 723 mg/m³, 150 ppm
Μεγαλύτερο χρονικό όριο: 241 mg/m³, 50 ppm

106-97-8 βουτάνιο

TWA Μεγαλύτερο χρονικό όριο: 2350 mg/m³, 1000 ppm

108-65-6 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο

TWA Μικρότερο χρονικό όριο: 550 mg/m³, 100 ppm
Μεγαλύτερο χρονικό όριο: 275 mg/m³, 50 ppm
Δ

13463-67-7 διοξείδιο του τιτάνιου

TWA Μεγαλύτερο χρονικό όριο: 10* 5** mg/m³
*εισπν., **αναπν.

71-36-3 βουταν-1-όλη

TWA Μικρότερο χρονικό όριο: 300 mg/m³, 100 ppm
Μεγαλύτερο χρονικό όριο: 300 mg/m³, 100 ppm
Δ

(συνέχεια στη σελίδα 6)

Δελτίο δεδομένων ασφαλείας
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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 5)

67-63-0 ισοπροπυλική αλκοόλη

TWA Μικρότερο χρονικό όριο: 1225 mg/m³, 500 ppm
 Μεγαλύτερο χρονικό όριο: 980 mg/m³, 400 ppm

· Τιμές DNELs**67-64-1 ακετόνη**

Από το στόμα	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Από το δέρμα	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Εισπνέοντας	DNEL	2420 mg/m ³ (Worker, acute local)
	DNEL	1210 mg/m ³ (Worker, longterm systemic)
	DNEL	200 mg/m ³ (Consumer, longterm systemic)
	DNEL	60 mg/m ³

141-78-6 οξικός αιθυλεστέρας

Από το στόμα	DNEL	4,5 mg/kg /per day (Consumer, longterm systemic)
Από το δέρμα	DNEL	63 mg/kg /per day (Worker, longterm systemic)
	DNEL	37 mg/kg /per day (Consumer, longterm systemic)
Εισπνέοντας	DNEL	734 mg/m ³ /200 ppm (Worker, longterm systemic)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute systemic)
	DNEL	734 mg/m ³ /200 ppm (Worker, longterm local)
	DNEL	1468 mg/m ³ /400 ppm (Worker, acute local)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm systemic)
	DNEL	734 mg/m ³ /200 ppm (Consumer; acute systemic)
	DNEL	367 mg/m ³ /100 ppm (Consumer, longterm local)
	DNEL	734 mg/m ³ /200 ppm (Consumer, acute local)

123-86-4 οξικός n-βουτυλεστέρας

Από το στόμα	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Από το δέρμα	DNEL	11 mg/kg /per day (Worker, longterm systemic)
	DNEL	11 mg/kg /per day (Worker, acute systemic)
	DNEL	6 mg/kg /per day (Consumer, longterm systemic)
	DNEL	6 mg/kg /per day (Consumer, acute systemic)
Εισπνέοντας	DNEL	300 mg/m ³ (Worker, longterm systemic)
	DNEL	600 mg/m ³ (Worker, acute systemic)
	DNEL	300 mg/m ³ (Worker, longterm local)
	DNEL	600 mg/m ³ (Worker, acute local)
	DNEL	35,7 mg/m ³ (Consumer, longterm systemic)
	DNEL	300 mg/m ³ (Consumer; acute systemic)
	DNEL	35,7 mg/m ³ (Consumer, longterm local)

108-65-6 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο

Από το δέρμα	DNEL	796 mg/kg /per day (Worker, longterm systemic)
	DNEL	320 mg/kg /per day (Consumer, longterm systemic)
Εισπνέοντας	DNEL	275 mg/m ³ (Worker, longterm systemic)
	DNEL	33 mg/m ³ (Consumer, longterm systemic)

(συνέχεια στη σελίδα 7)

Δελτίο δεδομένων ασφαλείας
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71-36-3 βουταν-1-όλη

Από το στόμα	DNEL	3,125 mg/kg /per day (Consumer, longterm systemic)
Εισπνέοντας	DNEL	310 mg/m ³ (Worker, longterm local)
	DNEL	55 mg/m ³ (Consumer, longterm local)

67-63-0 ισοπροπυλική αλκοόλη

Από το στόμα	DNEL	26 mg/kg /per day (Consumer, longterm systemic)
Από το δέρμα	DNEL	888 mg/kg /per day (Worker, longterm systemic)
	DNEL	319 mg/kg /per day (Consumer, longterm systemic)
Εισπνέοντας	DNEL	500 mg/m ³ (Worker, longterm systemic)
	DNEL	89 mg/m ³ (Consumer, longterm systemic)

· Τιμές PNECs**67-64-1 ακετόνη**

PNEC	10,6 mg/l (Freshwater)
PNEC	1,06 mg/l (Seawater)
PNEC	21 mg/l (Sporadic release)
PNEC	100 mg/l (Sewage treatment plant)
PNEC	30,4 mg/kg (Freshwater sediment)
PNEC	3,04 mg/kg (Seawater sediment)
PNEC	29,5 mg/kg (Soil)

123-86-4 οξικός n-βουτυλεστέρας

PNEC	0,18 mg/l (Freshwater)
PNEC	0,018 mg/l (Seawater)
PNEC	0,36 mg/l (Sporadic release)
PNEC	35,6 mg/l (Sewage treatment plant)
PNEC	0,981 mg/kg (Freshwater sediment)
PNEC	0,0981 mg/kg (Seawater sediment)
PNEC	0,0903 mg/kg (Soil)

108-65-6 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο

PNEC	0,635 mg/l (Freshwater)
PNEC	0,064 mg/l (Seawater)
PNEC	100 mg/l (Sewage treatment plant)
PNEC	3,29 mg/kg (Freshwater sediment)
PNEC	0,329 mg/kg (Seawater sediment)
PNEC	0,29 mg/kg (Soil)

71-36-3 βουταν-1-όλη

PNEC	0,082 mg/l (Freshwater)
PNEC	0,0082 mg/l (Seawater)
PNEC	2,25 mg/l (Sporadic release)
PNEC	2476 mg/l (Sewage treatment plant)
PNEC	0,178 mg/kg (Freshwater sediment)
PNEC	0,0178 mg/kg (Seawater sediment)
PNEC	0,015 mg/kg (Soil)

67-63-0 ισοπροπυλική αλκοόλη

PNEC	140,9 mg/l (Freshwater)
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(συνέχεια στη σελίδα 8)

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(συνέχεια από τη σελίδα 7)

PNEC	140,9 mg/l (Seawater)
PNEC	140,9 mg/l (Sporadic release)
PNEC	2251 mg/l (Sewage treatment plant)
PNEC	552 mg/kg (Freshwater sediment)
PNEC	552 mg/kg (Seawater sediment)

• **Συμπληρωματικές υποδείξεις:**

Σαν βάση χρησιμοποιήθηκαν οι ισχύοντες κατάλογοι που ίσχυαν κατά την παραγωγή.

• **8.2 Έλεγχοι έκθεσης**

- **Κατάλληλοι μηχανικοί έλεγχοι** Καμία άλλη σύσταση, βλέπε κεφάλαιο 7.
- **Μέτρα ατομικής προστασίας, όπως ατομικός προστατευτικός εξοπλισμός**

• **Γενικά μέτρα προστασίας και υγιεινής:**

Μακρινά από τρόφιμα, ποτά και ζωοτροφές.

Να βγάζετε αμέσως τα λερωμένα, βρεγμένα ενδύματα.

Να πλένετε τα χέρια προ του διαλείμματος και στο τέλος της εργασίας.

Να μην αναπνέετε αέρια/ατμούς/εκνεφώματα.

Να αποφεύγετε την επαφή με τα μάτια και το δέρμα.

Να αποφεύγετε την επαφή με τα μάτια.

• **Προστασία των αναπνευστικών οδών**



Για σύντομη ή μικρή επιβάρυνση να χρησιμοποιείτε αναπνευστική συσκευή με φίλτρο, για έντονη ή παρατεταμένη έκθεση προστατευτική αναπνευστική συσκευή ανεξάρτητα του περιβάλλοντος αέρα.

Φίλτρο A2/P3

• **Προστασία των χεριών**



Προστατευτικά γάντια.

• **Υλικό γαντιών**

Καουτσούκ βουτύλιου

Η επιλογή του κατάλληλου γαντιού δεν εξαρτάται μόνον από το υλικό, αλλά και τα επιπλέον χαρακτηριστικά ποιότητας, τα οποία διαφέρουν ανάλογα με τον κατασκευαστή.

• **Χρόνος διείσδυσης του υλικού γαντιών**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

Γάντια από βουτυλικό καουτσούκ με πάχος 0,4 mm διαθέτουν αντοχή σε διαλύτες για 42-480 λεπτά.

Συνιστούμε στους χρήστες και τους υπευθύνους εργασιακής ασφάλειας να υποθέτουν ότι ισχύει διάρκεια αντοχής σε διαλύτες για 42 λεπτά ως προστατευτικό μέτρο. Λαμβανομένων υπόψη των δεδομένων στο τμήμα 3 του παρόντος ΔΔΑ, μπορεί να υποτεθεί μεγαλύτερη διάρκεια αντοχής σε συγκεκριμένες περιπτώσεις.

• **Προστασία των ματιών / του προσώπου**



Προστατευτικά γυαλιά απολύτως εφαρμοστά.

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(συνέχεια στη σελίδα 9)

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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 8)

ΤΜΗΜΑ 9: Φυσικές και χημικές ιδιότητες

· 9.1 Στοιχεία για τις βασικές φυσικές και χημικές ιδιότητες	
· Γενικές πληροφορίες	
· Φυσική κατάσταση	νέφωμα
· Χρώμα:	διαφορετικά, ανάλογα με το χρωματισμό
· Οσμή:	αντίστοιχη διαλυτικών μέσων
· Όριο οσμής:	Μη καθορισμένο.
· Σημείο τήξεως/σημείο πήξεως:	Δεν είναι προσδιορισμένο
· Σημείο ζέσεως ή αρχικό σημείο ζέσεως και περιοχή ζέσεως	Μη χρησιμοποιήσιμο επειδή είναι εκνέφωμα
· Ευφλεκτότητα	Μη χρησιμοποιήσιμο
· Ανώτατο και κατώτατο όριο εκρηξιμότητας	
· κατώτερα:	2,6 Vol % (67-64-1 ακετόνη)
· ανώτερα:	26,2 Vol % (115-10-6 διμεθυλαιθέρας)
· Σημείο ανάφλεξης:	Μη χρησιμοποιήσιμο επειδή είναι εκνέφωμα
· Θερμοκρασία αναφλέξεως:	240 °C
· Θερμοκρασία αποσύνθεσης:	Μη καθορισμένο.
· pH	Το μείγμα είναι μη διαλυτό (σε νερό).
· Ιζώδες:	
· Κινηματικό ιζώδες	Μη καθορισμένο.
· δυναμική:	Μη καθορισμένο.
· Διαλυτότητα	
· νερό:	δεν αναμειγνύεται ή αναμειγνύεται λίγο
· Συντελεστής κατανομής σε n-οκτανόλη/νερό (λογαριθμική τιμή)	Μη καθορισμένο.
· Τάση ατμών σε 20 °C	4000 hPa
· Πυκνότητα και/ή σχετική πυκνότητα	
· Πυκνότητα σε 20 °C:	0,7 g/cm ³
· Σχετική πυκνότητα	Μη καθορισμένο.
· Πυκνότητα ατμών	Μη καθορισμένο.
· 9.2 Λοιπές πληροφορίες	
· Όψη:	
· Μορφή:	νέφωμα
· Σημαντικές πληροφορίες για την προστασία της υγείας και του περιβάλλοντος, αλλά και την ασφάλεια.	
· Εκρηκτικές ιδιότητες:	Μη καθορισμένο.
· Περιεκτικότητα σε διαλύτη:	
· οργανικοί διαλύτες:	90,2 %
· νερό:	0,3 %
· VOC (ΕΚ)	.
	676,0 g/l
· VOC-EU%	90,20 %
· Περιεκτικότητα σε στερεά υλικά:	10,5 %
· Μεταβολή της κατάστασης:	
· Ρυθμός εξάτμισης	Μη χρησιμοποιήσιμο
· Πληροφορίες σχετικά με τις κλάσεις φυσικού κινδύνου	
· Εκρηκτικά	εκπίπτει
· Εύφλεκτα αέρια	εκπίπτει
· Αερόλυματα	Εξαιρετικά εύφλεκτο αερόλυμα. Δοχείο υπό πίεση. Κατά τη θέρμανση μπορεί να διαρραγεί.
· Οξειδωτικά αέρια	εκπίπτει

(συνέχεια στη σελίδα 10)

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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 9)

· Αέρια υπό πίεση	εκπίπτει
· Εύφλεκτα υγρά	εκπίπτει
· Εύφλεκτα στερεά	εκπίπτει
· Αυτενεργές ουσίες και μείγματα	εκπίπτει
· Πυροφορικά υγρά	εκπίπτει
· Πυροφορικά στερεά	εκπίπτει
· Αυτοθερμαινόμενες ουσίες και μείγματα	εκπίπτει
· Ουσίες και μείγματα που εκλύουν εύφλεκτα αέρια σε επαφή με το νερό	εκπίπτει
· Οξειδωτικά υγρά	εκπίπτει
· Οξειδωτικά στερεά	εκπίπτει
· Οργανικά υπεροξειδία	εκπίπτει
· Ουσίες και μείγματα που δρουν διαβρωτικά έναντι των μετάλλων	εκπίπτει
· Απευαισθητοποιημένα εκρηκτικά/μείγματα και προϊόντα με εκρηκτικά	εκπίπτει

ΤΜΗΜΑ 10: Σταθερότητα και αντιδραστικότητα

- **10.1 Αντιδραστικότητα** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.2 Χημική σταθερότητα**
- **Θερμική αποσύνθεση / Όροι που πρέπει να αποφεύγονται:**
Δεν αποσυντίθεται αν η χρησιμοποίησή του γίνεται κανονικά.
- **10.3 Πιθανότητα επικίνδυνων αντιδράσεων** Δεν είναι γνωστή καμία επικίνδυνη αντίδραση.
- **10.4 Συνθήκες προς αποφυγή** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.5 Μη συμβατά υλικά:** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.6 Επικίνδυνα προϊόντα αποσύνθεσης:** Δεν είναι γνωστά επικίνδυνα προϊόντα διάσπασης.

ΤΜΗΜΑ 11: Τοξικολογικές πληροφορίες

- **11.1 Πληροφορίες για τις τάξεις κινδύνου, όπως ορίζονται στον κανονισμό (ΕΚ) αριθ. 1272/2008**
- **Οξεία τοξικότητα** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

· Σημαντικές τιμές ταξινόμησης-LD/LC50

67-64-1 ακετόνη

Από το στόμα	LD50	5800 mg/kg (rat)
Από το δέρμα	LD50	>15800 mg/kg (rabbit)
Εισπνέοντας	LC50 / 4h	76 mg/l (rat)

141-78-6 οξικός αιθυλεστέρας

Από το στόμα	LD50	>18000 mg/kg (rab)
Από το δέρμα	LD50	5620 mg/kg (rat)
Εισπνέοντας	LC50 / 4 h	1600 mg/m ³ (rat)

123-86-4 οξικός n-βουτυλεστέρας

Από το στόμα	LD50	10800 mg/kg (rat) (OECD 401)
Από το δέρμα	LD50	>17600 mg/kg (rabbit)
Εισπνέοντας	LC50 / 4 h	>21 mg/m ³ (rat)

108-65-6 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο

Από το στόμα	LD50	8530 mg/kg (rat)
Από το δέρμα	LD50	>5000 mg/kg (rabbit)

(συνέχεια στη σελίδα 11)

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Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

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Εισπνέοντας	LC50 / 4 h	>10000 mg/m ³ (rat)
71-36-3 βουταν-1-όλη		
Από το στόμα	LD50	2292 mg/kg (rat)
Από το δέρμα	LD50	3430 mg/kg (rabbit)
Εισπνέοντας	LC50 / 4 h	17000 mg/m ³ (rat)
67-63-0 ισοπροπυλική αλκοόλη		
Από το στόμα	LD50	5840 mg/kg (rat)
Από το δέρμα	LD50	13900 mg/kg (rabbit)
Εισπνέοντας	LC50	>25 mg/l (rat)

- **Διάβρωση και ερεθισμός του δέρματος**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
Δεν προκαλεί ερεθισμό.
- **Σοβαρή οφθαλμική βλάβη/ερεθισμός** Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
- **Ευαισθητοποίηση του αναπνευστικού ή ευαισθητοποίηση του δέρματος**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
Δεν είναι γνωστή καμία ευαισθητοποίηση.
- **Μεταλλαξιγένεση γεννητικών κυττάρων**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Καρκινογένεση** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Τοξικότητα στην αναπαραγωγή**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Ειδική τοξικότητα στα όργανα-στόχους (STOT) - εφάπαξ έκθεση** Μπορεί να προκαλέσει υπνηλία ή ζάλη.
- **Ειδική τοξικότητα στα όργανα-στόχους (STOT) - επανειλημμένη έκθεση**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Επικινδυνότητα αναρρόφησης** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **11.2 Πληροφορίες για άλλους τύπους επικινδυνότητας**

· **Ιδιότητες ενδοκρινικής διαταραχής**

κανένα από συστατικά στοιχεία δεν περιέχεται στη λίστα

ΤΜΗΜΑ 12: Οικολογικές πληροφορίες· **12.1 Τοξικότητα**· **Υδατική τοξικότητα:**

67-64-1 ακετόνη	
LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))
115-10-6 διμεθυλαιθέρας	
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)
108-65-6 οξικό 2-μεθοξυ-1-μεθυλαιθύλιο	
EC50 / 48 h	>500 mg/l (daphnia magna)
LC50 / 96 h	100-180 mg/l (oncorhynchus mykiss / Regenbogenforelle)
71-36-3 βουταν-1-όλη	
LC50 / 96 h	1376 mg/l (fish)

(συνέχεια στη σελίδα 12)

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67-63-0 ισοπροπυλική αλκοόλη

LC50/96h 9640 mg/l (pimephales promelas; 96h)

LC50 / 24 h 9714 mg/l (daphnia magna)

- **12.2 Ανθεκτικότητα και ικανότητα αποδόμησης** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.3 Δυνατότητα βιοσυσσώρευσης** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.4 Κινητικότητα στο έδαφος** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.5 Αποτελέσματα της αξιολόγησης ABT και AAB**
- **ABT:** Μη χρησιμοποιήσιμο
- **AAB:** Μη χρησιμοποιήσιμο
- **12.6 Ιδιότητες ενδοκρινικής διαταραχής**
Το προϊόν δεν περιέχει ουσίες με ιδιότητες που διαταράσσουν το ενδοκρινικό σύστημα.
- **12.7 Άλλες αρνητικές επιπτώσεις**
- **Περαιτέρω οικολογικές ενδείξεις:**
- **Γενικές οδηγίες:**
Επικίνδυνο για το υδάτινο περιβάλλον - Κλάση 1 (Δική μας εκτίμηση): ελαφρώς επικίνδυνο
Δεν επιτρέπεται να διεισδύει στα γήινα νερά, να αδειάζεται στο υδάτινο περιβάλλον ή στην αποχέτευση μη αραιωμένο ή σχετικά σε μεγάλες ποσότητες.

ΤΜΗΜΑ 13: Στοιχεία σχετικά με τη διάθεση

- **13.1 Μέθοδοι επεξεργασίας αποβλήτων**
- **Σύσταση:**
Δεν επιτρέπεται να εναποτίθεται μαζί με τα κοινά απορρίμματα. Μην το αδειάζετε στην αποχέτευση.


· **Ευρωπαϊκός κατάλογος αποβλήτων**

08 01 11*	απόβλητα από χρώματα και βερνίκια που περιέχουν οργανικούς διαλύτες ή άλλες επικίνδυνες ουσίες
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15 01 04	μεταλλική συσκευασία
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- **Ακάθαρτες συσκευασίες:**
- **Σύσταση:**
Η εναπόθεση πρέπει να γίνεται σύμφωνα με τις επίσημες οδηγίες.
Η εναπόθεση γίνεται σύμφωνα με τις επίσημες οδηγίες.

ΤΜΗΜΑ 14: Πληροφορίες σχετικά με τη μεταφορά

- **14.1 Αριθμός OHE ή αριθμός ταυτότητας**
- **ADR, IMDG, IATA** UN1950
- **14.2 Οικεία ονομασία αποστολής OHE**
- **ADR** 1950 ΑΕΡΟΛΥΜΑΤΑ
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Τάξη/-εις κινδύνου κατά τη μεταφορά**
- **ADR**
- 
- **κλάση** 2 5F Αέρια

(συνέχεια στη σελίδα 13)

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(συνέχεια από τη σελίδα 12)

· Ετικέτα κινδύνου	2.1
· IMDG, IATA	
	
· Class	2.1 Αέρια
· Label	2.1
· 14.4 Ομάδα συσκευασίας	
· ADR, IMDG, IATA	εκπίπτει
· 14.5 Περιβαλλοντικοί κίνδυνοι:	Δεν έχει εφαρμογή
· 14.6 Ειδικές προφυλάξεις για τον χρήστη	Προσοχή: Αέρια
· Αριθμ αναγνώρισης κινδύνου (Κωδικός Kemler):	-
· Αριθμός-EMS:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Θαλάσσιες μεταφορές χύδην σύμφωνα με τις πράξεις του IMO	Δεν έχει εφαρμογή
· Μεταφορά/Πρόσθετες Πληροφορίες:	
· ADR	
· Περιορισμένες ποσότητες (LQ)	1L
· Εξαιρούμενες ποσότητες (EQ)	Κωδικός: E0 Απαγορεύεται η μεταφορά σαν Εξαιρούμενη Ποσότητα
· Κατηγορία μεταφοράς	2
· Κωδικοί περιορισμού σήραγγας:	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 ΑΕΡΟΛΥΜΑΤΑ, 2.1

GR

(συνέχεια στη σελίδα 14)

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(συνέχεια από τη σελίδα 13)

ΤΜΗΜΑ 15: Στοιχεία νομοθετικού χαρακτήρα

· **15.1 Κανονισμοί/νομοθεσία σχετικά με την ασφάλεια, την υγεία και το περιβάλλον για την ουσία ή το μείγμα**

· **Οδηγία 2012/18 / ΕΕ**

· **Κατονομαζόμενες επικίνδυνες ουσίες - ΠΑΡΑΡΤΗΜΑ Ι**

κανένα από συστατικά στοιχεία δεν περιέχεται στη λίστα

· **Κατηγορία Seveso P3a ΕΥΦΛΕΚΤΑ ΑΕΡΟΛΥΜΑΤΑ**

· **Οριακή ποσότητα (τόνοι) για την εφαρμογή των απαιτήσεων κατώτερης βαθμίδας 150 t**

· **Οριακή ποσότητα (τόνοι) για την εφαρμογή των απαιτήσεων ανώτερης βαθμίδας 500 t**

· **ΚΑΝΟΝΙΣΜΟΣ (ΕΚ) αριθ. 1907/2006 ΠΑΡΑΡΤΗΜΑ XVII Όροι περιορισμού: 3**

· **Οδηγία 2011/65/ΕΕ για τον περιορισμό της χρήσης ορισμένων επικίνδυνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό - Παραρτημα ΙΙ**

κανένα από συστατικά στοιχεία δεν περιέχεται στη λίστα

· **Εθνικές διατάξεις:**

· **Άλλες διατάξεις, περιορισμοί και απαγορεύσεις**

· **Ουσίες που προκαλούν πολύ μεγάλη ανησυχία (SVHC) σύμφωνα με το REACH, άρθρο 57**

κανένα από συστατικά στοιχεία δεν περιέχεται στη λίστα

· **15.2 Αξιολόγηση χημικής ασφάλειας: Η αξιολόγηση χημικής ασφάλειας δεν πραγματοποιήθηκε.**

ΤΜΗΜΑ 16: Λοιπές πληροφορίες

Αυτές οι δηλώσεις βασίζονται στο σημερινό επίπεδο των γνώσεών μας, δεν αποτελούν εγγύηση για τις ιδιότητες των προϊόντων ούτε αιτιολογούν τη δημιουργία συμβατικών υποχρεώσεων.

· **Σχετικές φράσεις**

H201 Εκρηκτικό, κίνδυνος μαζικής έκρηξης.

H220 Εξαιρετικά εύφλεκτο αέριο.

H225 Υγρό και ατμοί πολύ εύφλεκτα.

H226 Υγρό και ατμοί εύφλεκτα.

H280 Περιέχει αέριο υπό πίεση. εάν θερμανθεί, μπορεί να εκραγεί.

H302 Επιβλαβές σε περίπτωση κατάποσης.

H315 Προκαλεί ερεθισμό του δέρματος.

H318 Προκαλεί σοβαρή οφθαλμική βλάβη.

H319 Προκαλεί σοβαρό οφθαλμικό ερεθισμό.

H335 Μπορεί να προκαλέσει ερεθισμό της αναπνευστικής οδού.

H336 Μπορεί να προκαλέσει υπνηλία ή ζάλη.

H351 Υποπτο για πρόκληση καρκίνου.

EUH066 Παρατεταμένη έκθεση μπορεί να προκαλέσει ξηρότητα δέρματος ή σκάσιμο.

· **Αριθμός προηγούμενης έκδοσης: 8**

· **Συντμήσεις και αρκτικόλεξα:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

(συνέχεια στη σελίδα 15)

**Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 19.01.2023

Αναθεώρηση: 30.03.2022

Αριθμός έκδοσης 9 (αντικαθιστά την έκδοση 8)

Όνομασία του προϊόντος στο εμπόριο: BENMAN ACRYLIC COLOR MATTE

(συνέχεια από τη σελίδα 14)

vPvB: very Persistent and very Bioaccumulative
Expl. 1.1: Εκρηκτικά – Υποδιαίρεση 1.1
Flam. Gas 1A: Εύφλεκτα αέρια – Κατηγορία 1A
Aerosol 1: Αερολύματα – Κατηγορία 1
Press. Gas (Comp.): Αέρια υπό πίεση – Πεπιεσμένα αέρια
Flam. Liq. 2: Εύφλεκτα υγρά – Κατηγορία 2
Flam. Liq. 3: Εύφλεκτα υγρά – Κατηγορία 3
Acute Tox. 4: Οξεία τοξικότητα μέσω του – Κατηγορία 4
Skin Irrit. 2: Διάβρωση/ερεθισμός του δέρματος – Κατηγορία 2
Eye Dam. 1: Σοβαρή οφθαλμική βλάβη/ερεθισμός των οφθαλμών – Κατηγορία 1
Eye Irrit. 2: Σοβαρή οφθαλμική βλάβη/ερεθισμός των οφθαλμών – Κατηγορία 2
Carc. 2: Καρκινογένεση – Κατηγορία 2
STOT SE 3: Ειδική τοξικότητα στα όργανα-στόχους (μία εφάπαξ έκθεση) – Κατηγορία 3
· * **Τροποποιημένα στοιχεία σε σχέση με την προηγούμενη έκδοση**

GR