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Mega Foam 500ml

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name/designation:

## Mega Foam 500ml

#### **Article No.:**

T101001

UFI:

G9CF-AUG7-AJHC-N871

# 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture:

Glass cleaner

#### Relevant identified uses:

**Product Categories [PC]** 

PC 35: Washing and cleaning products

## \* 1.3. Details of the supplier of the safety data sheet

#### Supplier:

#### **KANDO Service GmbH**

Hartleitnerstraße 3 4653 Eberstalzell

Austria

**Telephone:** +43 (0) 7241 213 79

**E-mail:** msds@kando.eu

## 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
aerosol dispensers and lighters (Aerosol 1)	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	

#### 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:



GHS02 Flame

Signal word: Danger

Hazard statements for physical hazards		
H222	Extremely flammable aerosol.	
H229	Pressurised container: May burst if heated.	

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#### Supplemental hazard information: none

Precautionary statements		
P101 If medical advice is needed, have product container or label at hand.		
P102	Keep out of reach of children.	

Precautionary statements Prevention		
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.	

Precautionary statements Storage		
P403	Store in a well-ventilated place.	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.	

#### **Additional information:**

Formation of explosive mixtures possible without adequate ventilation.

Cleaner (according to detergents guidline 648/2004/EC)

#### \* 2.3. Other hazards

## Other adverse effects:

The product does not meet the PBT/vPvB criteria.

## **SECTION 3: Composition/information on ingredients**

#### \* 3.2. Mixtures

#### **Additional information:**

Aerosols and containers fitted with a solid nebuliser containing substances or mixtures classified as hazardous by aspiration must not be labelled for this hazard. The wording of the listed hazard statements can be found in section 16.

## Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
	Aliphatic hydrocarbons The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Additional information: Ingredients according to detergents guidline 648/2004/EC	≥ 5 - < 15 Vol-%
CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH No.: 01-2119474691-32	butane Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger  Acute Toxicity Estimate  ATE (oral) ≥ 5,000 mg/kg  ATE (dermal) ≥ 5,000 mg/kg  ATE (inhalation, gases) 658 ppmV  ATE (inhalation, vapour) ≥ 50 mg/L	2.5 - < 10 Vol-%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	propan-2-ol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336)  OLIVITY Danger Acute Toxicity Estimate ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) > 20 mg/L	2.5 - < 10 Vol-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21	propane Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)  Danger Acute Toxicity Estimate ATE (oral) 5,840 mg/kg ATE (dermal) 13,900 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) ≥ 50 mg/L	2.5 - < 10 Vol-%
	non-ionic surfactants, perfumes The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].  Additional information: Ingredients according to detergents guidline 648/2004/EC	< 5 Vol-%
CAS No.: 107-98-2 EC No.: 203-539-1 Index No.: 603-064-00-3 REACH No.: 01-2119457435-35	1-methoxypropan-2-ol Flam. Liq. 3 (H226), STOT SE 3 (H336)  (**)! Warning Acute Toxicity Estimate ATE (oral) 4,016 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 28.8 ppmV ATE (inhalation, vapour) 27.596 mg/L  Additional information: Consists of: 1589-47-5 2-Methoxypropanol (>0.1-<0.3%)	1 - < 2.5 Vol-%
CAS No.: 75-28-5 EC No.: 200-857-2 REACH No.: 01-2119485395-27	Isobutane (contains < 0.1% butadiene (203-450-8)) Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)	0.1 - < 1 Vol-%
CAS No.: 1336-21-6 EC No.: 215-647-6 REACH No.: 01-2119982985-14	ammonia, aqueous solution Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Corr. 1B (H314)  ②! Danger Specific concentration limit (SCL) STOT SE 3; H335: C ≥ 5% Acute Toxicity Estimate ATE (oral) 350 mg/kg ATE (dermal) ≥ 5,000 mg/kg ATE (inhalation, vapour) ≥ 50 mg/L Additional information: (24,5%)	0.1 - < 1 Vol-%

Full text of H- and EUH-phrases: see section 16.

# **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### Following inhalation:

Fresh air supply, consult a doctor in case of complaints.

#### In case of skin contact:

In general, the product is not irritating to skin.

#### After eye contact:

Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

## Following ingestion:

Do not induce vomiting, seek medical help immediately.

# **4.2. Most important symptoms and effects, both acute and delayed**No further relevant information available.

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

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## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

#### Suitable extinguishing media:

Water mist, Extinguishing powder, Carbon dioxide, alcohol resistant foam

#### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Special protective equipment: Put on breathing apparatus.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

#### **Personal precautions:**

Wear protective equipment. Keep unprotected persons away.

## **6.1.2.** For emergency responders

No data available

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities.

### 6.3. Methods and material for containment and cleaning up

#### For cleaning up:

Do not wash away with water or aqueous detergents.

#### Other information:

Provide adequate ventilation.

#### 6.4. Reference to other sections

See section 7 for further information on safe handling.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### **Protective measures**

#### Advices on safe handling:

Ensure good ventilation/extraction at the workplace.

#### Fire prevent measures:

Do not spray against a flame or on a glowing object. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Container is under pressure. Protect from sunlight and temperatures above 50°C (e.g. from incandescent lamps). Do not open by force or burn even after use.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels:

Store in a cool place. The official regulations for the storage of pressurised gas packages must be observed.

#### Hints on storage assembly:

The official regulations for the storage of pressurised gas packages must be observed.

Storage class (TRGS 510, Germany): 2B - Aerosol dispensers and lighters

#### Further information on storage conditions:

Store in a cool, dry place in well-sealed containers. Protect from heat and direct sunlight.

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## 7.3. Specific end use(s)

#### **Recommendation:**

No further relevant information available.

# SECTION 8: Exposure controls/personal protection

## \* 8.1. Control parameters

## 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	<ol> <li>Long-term occupational exposure limit value</li> <li>Short-term occupational exposure limit value</li> <li>Instantaneous value</li> <li>Monitoring and observation processes</li> <li>Remark</li> </ol>
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m³)
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	② 1,600 ppm (3,800 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 800 ppm (2,000 mg/m³) ⑤ (max. 4x15 min./Schicht)
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m³)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	② 2,000 ppm (3,600 mg/m³) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m³)
IOELV (EU)	1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	<ol> <li>100 ppm (375 mg/m³)</li> <li>150 ppm (568 mg/m³)</li> <li>(may be absorbed through the skin)</li> </ol>
MAK (AT)	1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	<ol> <li>50 ppm (187 mg/m³)</li> <li>50 ppm (187 mg/m³)</li> <li>(Momentanwert, kann über die Haut aufgenommen werden) H</li> </ol>
MAK (AT)	Isobutane (contains < 0.1% butadiene (203-450-8)) CAS No.: 75-28-5 EC No.: 200-857-2	② 1,600 ppm (3,800 mg/m³) ⑤ (max. 3x60 min./SchichtMomentanwert)
MAK (AT)	Isobutane (contains < 0.1% butadiene (203-450-8)) CAS No.: 75-28-5 EC No.: 200-857-2	① 800 ppm (1,900 mg/m³)

## 8.1.2. Biological limit values

No data available

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## 8.1.3. DNEL-/PNEC-values

Substance name DNEL va		① DNEL type		
		② Exposure route		
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	500 mg/m <sup>3</sup>	DNEL worker     Long-term – inhalation, systemic effects		
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	89 mg/m³	DNEL Consumer     Long-term – inhalation, systemic effects		
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	888 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects		
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	319 mg/kg bw/ day	DNEL Consumer     Long-term - dermal, systemic effects		
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	26 mg/kg bw/ day	① DNEL Consumer ② Long-term - oral, systemic effects		
<b>1-methoxypropan-2-ol</b> CAS No.: 107-98-2 EC No.: 203-539-1	369 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects		
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	43.9 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term – inhalation, systemic effects		
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	553.5 mg/m <sup>3</sup>	DNEL worker     Acute - inhalation, local effects		
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	50.6 mg/kg bw/day	DNEL worker     Long-term - dermal, systemic effects		
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	18.1 mg/kg bw/day	DNEL Consumer     Long-term - dermal, systemic effects		
<b>1-methoxypropan-2-ol</b> CAS No.: 107-98-2 EC No.: 203-539-1	3.3 mg/kg bw/ day	DNEL Consumer     Long-term - oral, systemic effects		
Substance name	PNEC Value	① PNEC type		

Substance name	PNEC Value	① PNEC type
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, freshwater
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, marine water
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	2,251 mg/L	① PNEC sewage treatment plant
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, freshwater
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	552 mg/kg	① PNEC sediment, marine water
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	28 mg/kg	① PNEC soil
<b>propan-2-ol</b> CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/L	① PNEC aquatic, intermittent release

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Substance name	PNEC Value	① PNEC type
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	10 mg/L	① PNEC aquatic, freshwater
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	1 mg/L	① PNEC aquatic, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 mg/L	① PNEC sewage treatment plant
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	52.3 mg/kg	① PNEC sediment, freshwater
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	5.2 mg/kg	① PNEC sediment, marine water
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	4.49 mg/kg	① PNEC soil
1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1	100 mg/L	① PNEC aquatic, intermittent release

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

No further details. See section 7.

## 8.2.2. Personal protection equipment



#### **Eye/face protection:**

Safety glasses or goggles (EN 166).

#### Skin protection:

Hand protection: Gloves / solvent resistant. Selection of glove material considering breakthrough times, permeation rates and degradation.

Glove material: The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

NBR (Nitrile rubber), Recommended material thickness: >= 0,5 mm

Permeation time (maximum wear duration): For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with the preference for a breakthrough time greater than 480 minutes. For short term or splash protection we recommend the same. We are aware that suitable gloves offering this protection are not available. In this case, a shorter breakthrough time is permissible, provided the procedures for maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance the gloves give against a chemical substance, as this depends on the exact composition of the material of the gloves. The exact breakthrough time should be checked with the glove manufacturer and adhered to.

Body protection: Antistatic, chemical and oil resistant clothing and safety shoes are recommended. (EN1149; EN340&EN ISO 13688; EN13034-6).

## Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Filter ABEK-P2

#### Other protection measures:

General protective and hygienic measures: Wash hands before breaks and after work. General ventilation.

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## 8.2.3. Environmental exposure controls

Use a suitable container to prevent environmental pollution.

## **SECTION 9: Physical and chemical properties**

## \* 9.1. Information on basic physical and chemical properties

### **Appearance**

Form: Aerosol Colour: colourless

Odour: Alcohol flammability: No data available

### Safety relevant basis data

Parameter	Value	at °C	1 Method
			② Remark
pH	not applicable		② Mixture is not polar/aprotic.
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	-44.5 °C		
Flash point	-97 °C		
Evaporation rate	No data available		
Auto-ignition temperature	365 °C		② butane
Upper/lower flammability or explosive limits	1.5 - 13.7 Vol-%		② butane - 1-methoxypropan-2-ol
Vapour pressure	23 hPa	20 °C	② Water
Vapour density	No data available		
Density	0.946 g/cm <sup>3</sup>	20 °C	
Bulk density	not applicable		
Water solubility	completely miscible		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		
flammability			② Easily flammable

#### \* 9.2. Other information

Form: Aerosol

Auto-ignition temperature: The product is not self-igniting.

Organic solvents: 16,0 %

Water: 83,6 % Solid content: 0,0 %

## 9.2.1. Information with regard to physical hazard classes

#### Aerosols:

Extremely flammable aerosol. Pressurized container: May burst if heated.

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No further relevant information available.

#### 10.2. Chemical stability

Thermal decomposition / Conditions to avoid: No decomposition when used as directed.

## 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.

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#### 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

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

LD<sub>50</sub> oral: >2,000 mg/kg (Rat)

LD<sub>50</sub> dermal: >2,000 mg/kg (Rat)

LC<sub>50</sub> Acute inhalation toxicity (gas): >25 ppmV 4 h (Rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): >20 mg/L 6 h (Rat)

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1

ATE (oral): 4,016 mg/kg

LD<sub>50</sub> oral: 4,016 mg/kg (Rat)

LD<sub>50</sub> dermal: >2,000 mg/kg (Rat)

LC<sub>50</sub> Acute inhalation toxicity (gas): 28.8 ppmV 4 h (Rat)

LC<sub>50</sub> Acute inhalation toxicity (vapour): 27.596 mg/L 6 h (Rat)

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### Respiratory or skin sensitisation:

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

#### 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:**

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

#### 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 are included.

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## **SECTION 12: Ecological information**

## \* 12.1. Toxicity

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7 **LC<sub>50</sub>:** >1,000 mg/L 4 d (fish) LC<sub>50</sub>: 9,640 mg/L 4 d (fish, Pimephales promelas) LC<sub>50</sub>: 9,714 mg/L 1 d (Daphnia magna) EC<sub>50</sub>: >1,000 mg/L 2 d (crustaceans) EC<sub>50</sub>: >100 mg/L (Algae/water plant, Bacteria) EC<sub>50</sub>: >100 mg/L 2 d (crustaceans, Daphnia magna) ErC<sub>50</sub>: >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) ErC<sub>50</sub>: >100 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) **LOEC:** 1,000 mg/L (Alge) LOEC: 1,000 mg/L (Algae/water plant, Algae) **LOEC:** 1,000 mg/L 1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1 LC<sub>50</sub>: 6,812 mg/L 4 d (fish, Leuciscus idus) EC<sub>50</sub>: 23,300 mg/L 2 d (crustaceans, Daphnia magna) LC<sub>50</sub>: 6,812 mg/L 4 d (Leuciscus idus) LC<sub>50</sub>: >1,000 mg/L 4 d (Oncorhynchus mykiss) EC<sub>50</sub>: 23,300 mg/L 2 d (Daphnia magna)

#### 12.2. Persistence and degradability

EC<sub>50</sub>: >1,000 mg/L 2 d (Daphnia magna)

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Biodegradation: Yes, rapidly

Remark: Readily biodegradable (according to OECD criteria).

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1

Biodegradation: Yes, rapidly

#### **Biodegradation:**

Not readily biodegradable.

#### 12.3. Bioaccumulative potential

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Log K<sub>OW</sub>: 0.05

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1

Log K<sub>OW</sub>: -0.44

#### **Bioconcentration factor (BCF):**

No further relevant information available.

## \* 12.4. Mobility in soil

No further relevant information available.

## 12.5. Results of PBT and vPvB assessment

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Results of PBT and vPvB assessment: —

1-methoxypropan-2-ol CAS No.: 107-98-2 EC No.: 203-539-1

Results of PBT and vPvB assessment: —

Aliphatic hydrocarbons

Results of PBT and vPvB assessment: —

The product does not meet the PBT/vPvB criteria.

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## 12.6. Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

## 12.7. Other adverse effects

General information water hazard class 1 - slightly hazardous to water; Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Must not be disposed of together with household waste. Do not allow to enter into surface water or drains.

#### 13.1.1. Product/Packaging disposal

# Waste codes/waste designations according to EWC/AVV Directive 2008/98/EC (Waste Framework Directive)

Jirective 2008/98/EC (Waste Framework Direct

HP 3 Flammable

#### **Waste treatment options**

## Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

#### 13.2. Additional information

Recommended cleaning agent: Water, if necessary with the addition of cleaning agents.

## **SECTION 14: Transport information**

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)	
14.1. UN number or	ID number	•		
UN 1950	UN 1950	UN 1950	UN 1950	
14.2. UN proper ship	ping name	-	_	
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	
14.3. Transport hazard class(es)				
	No data available			
2.1		2.1	2.1	
14.4. Packing group				
		-		
14.5. Environmental	hazards		_	
No data available	No data available	No data available	No data available	
14.6. Special precautions for user				
Special Provisions: Attention: Gases	Special Provisions: Attention: Gases	Special Provisions: Attention: Gases	Special Provisions: Attention: Gases	
Excepted Quantities (EQ):	Classification code: 5F	Limited quantity (LQ):		
E0 Classification code: 5F		Excepted Quantities (EQ): E0		
<b>Tunnel restriction code:</b> (D)		<b>EmS-No.:</b> F-D,S-U		
		Remark: 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		

en / AT

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
		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

No data available

## **SECTION 15: Regulatory information**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU legislation

#### **Authorisations:**

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients are included.

Seveso category P3a FLAMMABLE AEROSOLS

Quantity threshold (in tons) for use in lower class farms 150t

Quantity threshold (in tons) for use in upper-tier establishments 500t

#### Restrictions on use:

Regulation (EC) No 1907/2006 ANNEX XVII Restriction conditions: 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 are included.

Regulation (EU) 2019/1148

Annex I - RESTRICTED EXPORT SUBSTANCES FOR EXPLOSIVES (upper concentration limit for a permit pursuant to Article 5(3)): None of the ingredients are included.

Annex II - EXPLOSIVES REPORTABLE FOR EXPLOSIVES: None of the ingredients are included.

Regulation (EC) No 273/2004 on drug precursors: None of the ingredients are included.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries: None of the ingredients are included.

#### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 151.6 g/L

### 15.1.2. National regulations

No data available

## 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

### 16.1. Indication of changes

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	1.3.	Details of the supplier of the safety data sheet	
	2.3.	Other hazards	
	3.2.	Mixtures	

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8.1.	Control parameters		
9.1.	Information on basic physical and chemical properties		
9.2.	Other information		
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008		
12.1.	Toxicity		
12.4.	Mobility in soil		
14.6.	6. Special precautions for user		
15.3.	Additional information		
16.1.	Indication of changes		
16.2.	Abbreviations and acronyms		

Limit value / limit values updated: SI

## \* 16.2. Abbreviations and acronyms

AC Article Category

ACGIH American Conference of Governmental Industrial Hygienists

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

DNEL derived no-effect level EC<sub>50</sub> Effective Concentration 50%

EN European Standard ES Exposure scenario

EWC European Waste Catalogue

ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
ISO International Standards Organisation

KG body weight

LC<sub>50</sub> Lethal (fatal) Concentration 50%

LD<sub>50</sub> Lethal (fatal) Dose 50%

MAK Maximum concentration in the workplace air (CH)

NFPA National Fire Protection Association

NIOSH National Institute for Occupational Safety & Health

NOEC No Observed Effect Concentration

OECD Organisation for Economic Cooperation and Development

OSHA Occupational Safety & Health Administration PBT persistent and bioaccumulative and toxic

PC Product category

PNEC Predicted No Effect Concentration

REACH Registration, Evaluation and Authorization of Chemicals RID Dangerous goods regulations for transport by rail

SCL Specific concentration limit

TRGS Technische Regeln für Gefahrstoffe

UN United Nations

VOC Volatile organic compounds ZNS central nervous system

#### 16.3. Key literature references and sources for data

No data available

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# 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure	
(Aerosol 1)	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.		

# 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements			
H220	Extremely flammable gas.		
H225	Highly flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H280	Contains gas under pressure; may explode if heated.		
H314	Causes severe skin burns and eye damage.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H335 May cause respiratory irritation.			
H336	May cause drowsiness or dizziness.		
H412	Harmful to aquatic life with long lasting effects.		

## 16.6. Training advice

No data available

#### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

	*	Data	changed	compared	with the	previous	version.
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