



## Safety Data Sheet



**Signal word: DANGER**

**Contains:** Methyl methacrylate, Ethylene dimethacrylate

**Hazard statements:**

H225 Highly flammable liquid and vapour.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction

**Precautionary statements:**

*Prevention*

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 Keep container tightly closed.  
P261 Avoid breathing vapours.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

*Response*

P302+P352: IF ON SKIN: Wash with plenty of water and soap.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

*Disposal*

P501 Dispose of contents/container in accordance with local regulations.

**2.3 Other hazards**

PBT and vPvB evaluations are in Section 12.5. The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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**SECTION 3: Composition / information on ingredients**
**3.1 Substance**

See section 3.2

**3.2 Mixture**

Chemical name	CAS Nr. EC-Number INDEX number REACH number	%	Classification according EC 1272/2008	
			Hazardous class/hazardous category	Hazardous phrases
<b>Methyl methacrylate</b>	80-62-6 201-297-1 607-035-00-6 01-2119452498-28	> 95	Flamm.Liq.2 STOT SE 3 Skin Irrit.2 Skin Sens. 1	H225 H335 H315 H317
<b>Ethylene dimethacrylate</b>	97-90-5 202-617-2 607-114-00-5 2119965172-38	< 5	STOT SE.3 Skin Sens.1	H335 H317
<b>N,N-dimethyl-p-toluidine</b>	99-97-8 202-805-4 612-296-00-4 -	< 0,1	Carc. 1B Acute Tox. 4 Acute Tox. 3 STOT RE 2 Aquatic Chronic 3	350 H332 H301 H373 H412

**Specific concentration limits:**

Name	CAS Nr. EC-Number INDEX number REACH number	Specific concentration limit
<b>Ethylene dimethacrylate</b>	97-90-5 202-617-2 607-114-00-5 2119965172-38	STOT SE 3; H335: C ≥ 10 %
<b>N,N-dimethyl-p-toluidine</b>	99-97-8 202-805-4 612-296-00-4 -	Inhalation: ATE = 1,4 mg/L (dusts or mists) oral: ATE = 140 mg/kg bw

**SECTION 4: First Aid Measures**
**4.1 Description of first aid measures**
*General:*

Never give anything by mouth to an unconscious person. In case of discomfort, seek medical advice (show the label where possible).

*Inhalation:*

Move the affected person to fresh air immediately and keep them in a position comfortable for breathing. If feeling unwell, seek medical advice or contact a poison center.

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### *Ingestion:*

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth with water. The affected person should drink approx. 100 ml of water and rest. Seek medical advice immediately or contact a poison center.

### *Skin contact:*

Rinse with plenty of water for at least 15 minutes. Remove contaminated clothing and continue rinsing with water. In case of allergic reaction, seek medical advice. Wash contaminated clothing before reuse.

### *Eye contact:*

Rinse the open eyelids immediately with plenty of water for at least 15 minutes. After initial rinsing, remove contact lenses and continue rinsing. Seek medical advice if pain, blinking, or redness occurs.

*Protection of first-aiders:* Avoid exposure. Use appropriate protective equipment.

### **4.2 Most important symptoms and effects, both acute and delayed**

*Inhalation:* Irritating to respiratory system. Can cause allergy reaction to skin.

*Ingestion:* Irritating to mouth, throat and esophagus. Exposure may result in sore throat, nausea, retching and blisters.

*Skin contact:* Irritating to skin. Can cause allergic reactions.

*Eye contact:* Irritating to eyes. Exposure may result in impaired vision, tears, redness and pain.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. No other data available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### *Suitable:*

Water in spray. Dry chemical, AFFF, foam, carbon dioxide, sand.

#### *Unsuitable:*

Do not extinguish with water flow.

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

*Flammability hazard:* Highly flammable liquid and vapors.

*Explosion hazard:* Flammable/explosive mixtures with air may form.

*Hazardous decomposition products in case of fire:* Toxic gases may be released.

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### 5.3 Advice for firefighters

*Instructions for firefighters:*

Use a spray water jet or water mist to cool exposed containers. Exercise caution when extinguishing a chemical fire. Prevent firefighting water from entering the environment.

*Protection during firefighting:*

Do not enter the fire area without appropriate protective equipment, including respiratory protection. Use a self-contained breathing apparatus (SCBA).

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

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

*In case of spillage:*

Evacuate the area. Remove sources of ignition. Pay special attention to preventing static electricity. Avoid open flames. Do not smoke. Notify the emergency center or the police. Wear appropriate protective clothing, gloves, and eye/face protection.

##### **6.1.1. For non-essential personnel (non-emergency situations)**

*Emergency measures:*

Ventilate the spill area. Do not use open flames, sparks, or cigarettes. Avoid inhalation of dust/fumes/gases/mists/vapors/sprays. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

##### **6.1.2. For emergency responders**

*Protective equipment:*

Do not attempt any action without appropriate protective equipment. For further information, see Section 8: "Exposure controls/personal protection".

*Emergency measures:*

Ventilate the area.

#### **6.2 Environmental precautions**

Prevent dispersion. Do not allow enter sewage system. In the event of major spillage. Contact safety officer immediately.

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

Incentive /Danger of explosion. Keep away from sources of ignition. Seal leak if possible without risk. Prevent dispersion. Clean up only under supervision of an expert. Collect spilled material in sealable containers. Absorb remainder in sand or other inert material. Collect in sealable containers.

#### **6.4 Reference to other sections**

Personal protection equipment: see section 8. Disposal: see section 13.

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

#### **7.1 Precautions for safe handling**

Handle empty containers with care, as residues of vapors may ignite. When handling the product, allow for materials and conditions which should be avoided (see Section 10). Avoid exposure. Use appropriate protection (see section 8). Take precautionary measures against static discharges. Keep away from open flame, sparks or sources of ignition. Explosion protected electrical equipment.

Do not smoke. Ground containers and production equipment. Use only spark-free tools. Flammable vapors may accumulate in the container. Wear personal protective equipment. Use only outdoors or in well-ventilated areas. Avoid inhalation of dust/fumes/gases/mists/vapors. Avoid contact with skin and eyes. Wash hands and other exposed body parts before eating, drinking, or smoking. Ensure good ventilation in the processing area to prevent the formation of vapors.

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

Store in fireproof location. When storing the product, allow for materials and conditions which should be avoided (see Section 10). Ventilation required along the floor. Keep container tightly closed. Keep in labeled containers.

*Incompatible products:*

Strong bases. Strong acids.

*Incompatible materials:*

Sources of ignition. Direct sunlight. Sources of heat.

#### **7.3. Specific end use(s)**

Product is used for repairing of dental prosthesis in dental laboratory.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1 Control parameters**

##### **Occupational exposure limits:**

Methyl methacrylate (EU – Commission Directive 2009/161/EU; Rules on the protection of workers from risks related to exposure to chemical agents at work (Official Gazette of RS, Nos. 72/2021, 29/2024, 26/2025); Rules on the protection of workers from risks related to exposure to carcinogenic, mutagenic or reprotoxic substances at work (Official Gazette of RS, Nos. 29/2024, 26/2025)):

Methyl methacrylate (EU – Commission Directive 2009/161/EU, Official Gazette of RS No. 78 / 4.12.2018):

**TWA (8 h) = 210 mg/m<sup>3</sup> (50 ppm)**

**STEL (15 min) = 420 mg/m<sup>3</sup> (100 ppm)**

##### **8.1.1 DNEL and PNEC**

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**Substance: Methyl methacrylate (CAS 80-62-6)**

**DNEL/DMEL workers:**

Acute local effect – dermal: 1.5 mg/cm<sup>2</sup>  
Acute local effect – inhalation: 416 mg/m<sup>3</sup>  
Long-term systemic effect – dermal: 13.67 mg/kg bw/day  
Long-term local effect – dermal: 1.5 mg/cm<sup>2</sup>  
Long-term systemic effect – inhalation: 208 mg/m<sup>3</sup>  
Long-term local effect – inhalation: 208 mg/m<sup>3</sup>

**DNEL/DMEL general population:**

Acute local effect – dermal: 1.5 mg/cm<sup>2</sup>  
Acute local effect – inhalation: 208 mg/m<sup>3</sup>  
Long-term systemic effect – oral: 8.2 mg/kg bw/day  
Long-term systemic effect – inhalation: 74.3 mg/m<sup>3</sup>  
Long-term systemic effect – dermal: 8.2 mg/kg bw/day  
Long-term local effect – dermal: 1.5 mg/cm<sup>2</sup>  
Long-term local effect – inhalation: 104 mg/m<sup>3</sup>

**PNEC:**

Water (freshwater): 0.94 mg/l  
Water (marine water): 0.94 mg/l  
Water (freshwater, standing): 0.94 mg/l  
Water (marine, standing): 0.94 mg/l  
Sediment (freshwater): 5.74 mg/kg dwt  
Sediment (marine): 0.102 mg/kg dwt  
Soil: 1.47 mg/kg dwt  
STP (wastewater treatment): 10 mg/l

**Substance: 2-Propenoic acid (CAS 97-90-5)**

**DNEL/DMEL workers:**

Long-term systemic effect – dermal: 1.3 mg/kg bw/day  
Long-term systemic effect – inhalation: 2.45 mg/m<sup>3</sup>

**DNEL/DMEL general population:**

Long-term systemic effect – oral: 0.83 mg/kg bw/day  
Long-term systemic effect – inhalation: 1.45 mg/m<sup>3</sup>  
Long-term systemic effect – dermal: 0.83 mg/kg bw/day

**PNEC:**

Water (freshwater): 0.139 mg/l  
Water (marine water): 0.0139 mg/l

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Water (freshwater, standing): 0.15 mg/l  
Sediment (freshwater): 1.6 mg/kg dwt  
Sediment (marine): 0.16 mg/kg dwt  
Soil: 0.239 mg/kg dwt  
STP (wastewater treatment): 57 mg/l

### 8.2 Exposure controls

#### Control parameters:

Ensure adequate ventilation at the workplace. Use explosion-proof electrical installations and lighting. Implement grounding to prevent static electricity. Use only spark-free tools. Do not heat the material.

#### Hygienic measures:

Follow good hygiene practices. Keep personal protective equipment (PPE) separate from other clothing. Remove contaminated clothing immediately. Eating, drinking, and smoking are prohibited during use. Wash hands after each use.

#### Personal protective equipment:

With adequate ventilation, extraction, or closed systems, respiratory protection is not required. Chemical hazard measurements may be performed if necessary, depending on exposure levels. In cases of higher exposure and insufficient ventilation, respiratory protection is mandatory.

#### Respiratory protection:

EN 136 full-face mask or EN 140 half-mask with EN 14387 + A1 type A filter when the area cannot be ventilated. For monomer handling of 250 L, workplace measurements do not exceed 0.3 TWA in monomer production. In dental laboratories, open windows are sufficient when handling monomer. Exposure in dental labs is limited to small quantities (up to 50 mL), which react with polymer within 10 minutes, so workplace exposure measurements are not considered necessary.

#### Skin/hand protection:

Mandatory use of gloves according to EN 374-1. Butyl rubber gloves (0.7 mm) with a breakthrough time of 60 min can be used. In practice, depending on exposure conditions, this information serves as guidance for selecting appropriate protective gloves and is not a substitute for final user testing. Select gloves according to work conditions. Available materials include natural rubber (latex), neoprene (polysoprene), nitrile (ABS rubber), butyl, polyvinyl alcohol (PVA), polyvinyl chloride (PVC), and fluoroelastomers. Multilayer gloves are made of PVA layers compressed between polyethylene layers. In permeability tests, multilayer PVA/polyethylene and PVA-supported gloves showed the best results (PVA becomes ineffective upon contact with water if other layers are damaged). Butyl and nitrile gloves provide only short-term protection. Surgical gloves are insufficient. Gloves must be properly stored and replaced regularly, especially during prolonged chemical use.

**Recommended gloves for dispensing and dental lab use:** Nitrile gloves Type B EN 374-1.

#### Eye protection:

Mandatory use of safety goggles with polycarbonate lenses EN 166. When wearing corrective glasses, no additional protective glasses are required.

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**Other protection:**

When handling larger quantities: face mask, chemical-resistant boots, rubber apron.

**8.3 Environmental exposure controls**

Workplace measurements have shown that exposure during the handling of 250 L of liquid does not exceed occupational limits. Measurements are below 0.3 TWA without additional extraction, using only natural ventilation through open windows. Consequently, exposure in a dental laboratory handling up to 50 mL cannot exceed TWA, let alone STEL. In dental lab use, the monomer reacts with polymer powder into solid acrylate within 10 minutes of contact. Windows should be opened during use.

**General instructions:**

Do not discharge into surface water or the sewage system.

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Ester-like
<b>Boiling point</b>	100.5 °C
<b>Melting point / Freezing point</b>	-48 °C
<b>Flammability</b>	421 °C
<b>Upper/lower flammability or explosive limits</b>	Not available
<b>Flash point</b>	10 °C
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>pH</b>	Not available
<b>Kinematic viscosity</b>	0.6 mPa·s
<b>Solubility</b>	Water
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not available
<b>Vapor pressure</b>	3.6 Pa @ 20 °C
<b>Density (H<sub>2</sub>O = 1)</b>	0.94 g/mL @ 20 °C
<b>Relative vapor density</b>	Not available
<b>Particle characteristics</b>	Not available

**9.2 Other information**

VOC content: ≈ 96 %

**SECTION 10: Stability and reactivity**
**10.1 Reactivity**

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Very flammable liquid and vapours.

### 10.2 Chemical stability

Stable under normal conditions. When incorrectly used: Fire hazard, polymerization (stable with: hydroquinone). May form flammable/explosive vapor-air mixtures.

### 10.3 Possibility of hazardous reaction

No hazardous reactions are known under normal conditions of use.

### 10.4 Conditions to avoid

*Keep away from:* open flames and sources of ignition, hot surfaces, sparks. Remove all sources of ignition. Do not heat. Protect from sunlight and heat. Protect from extremely high and extremely low temperatures.

### 10.5 Incompatible materials

Strong acids and strong bases.

### 10.6 Hazardous decomposition products

**Gas:** Carbon monoxide. Carbon dioxide. May release flammable gases. Under normal storage and use conditions, hazardous decomposition products are not expected to form.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Methyl-methacrylate

Acute toxicity- Oral: LD<sub>50</sub> (rat): 7900 - 9400 mg /kg

Acute toxicity - Dermal: LD50 (rabbit): 5000 mg /kg

Acute toxicity - Inhalation: LD<sub>50</sub> (rat, 4 hour): 29,8 ml / l

Vapour of methyl methacrylate can tease respiratory organs, eyes and skin. Skin exposure can lead to dermatitis. Inhalation can cause dizziness, nausea and vomiting. Long term exposure can cause asthma.

#### 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester (97-90-5)

LD50 oral rat 8300 ml/kg

LD50 dermal rat 2000 mg/kg

#### Product:

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: May cause an allergic skin reaction.

Mutagenicity: Ames test: Not classified. Based on available data, the classification criteria are not met.

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Reproductive toxicity: Not classified. Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified. Based on available data, the classification criteria are not met.

STOT – single exposure: May cause respiratory irritation.

STOT – repeated exposure: Not classified. Based on available data, the classification criteria are not met.

Aspiration hazard: Not classified. Based on available data, the classification criteria are not met.

Chemical name: Methyl methacrylate (CAS 80-62-6)

LOAEC (inhalation, rat, vapor, 90 days): 416 mg/m<sup>3</sup> air

NOAEL (oral, rat, 90 days): 124.1–164 mg/kg body weight/day

NOAEC (inhalation, rat, dust/fume/mist, 90 days): 500–1000 ppm

Chemical name: 2-Propenoic acid, 1,2-Ethanediol dimethacrylate (CAS 97-90-5)

LOAEC (inhalation, rat, gas, 90 days): 350 ppm; guideline: OECD Guideline 413 (subchronic inhalation toxicity, 90-day study)

NOAEL (oral, rat, 90 days): 100–1500 mg/kg body weight/day

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse effects on human health and symptoms: Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

#### Chemical name: methyl methacrylate (80-62-6)

LC50 - Fish [1] 79 mg/l

EC50 - Crustacea [1] 69 mg/l

EC50 72h - Algae [1] 110 mg/l

LOEC (chronic) 68 mg/l (21 d)

NOEC (acute) 40 mg/l (4 d)

NOEC (chronic) 37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC chronic fish 37 mg/l (21 d)

#### Chemical name: ethylene dimethacrylate (97-90-5)

LC50 - Fish [1] 15.95 mg/l

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EC50 - Crustacea [1] 44.9 mg/l  
EC50 72h - Algae [1] 17.3 mg/l  
EC50 96h - Algae [1] 19 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  
EC50 96h - Algae [2] 10.1 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  
NOEC (chronic) 5.05 mg/l  
NOEC chronic fish 5.05 mg/l (21 d)

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

**Interacryl HO:** no data available.

**Chemical name: methyl methacrylate (80-62-6)**

Partition coefficient n-octanol/water (Log Pow): 1.38 @ 20 °C and pH 7

**Chemical name: ethylene dimethacrylate (97-90-5)**

Bioconcentration factor (BCF REACH): 21.9

Partition coefficient n-octanol/water (Log Pow): 2.4

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Not applicable for persistent, bioaccumulative, and toxic (PBT) properties.

Not applicable for very persistent and very bioaccumulative (vPvB) properties.

### 12.6 Other adverse effect

Do not allow to enter surface water, wastewater, or soil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

*Methods of disposal:* Disposal according to the local legislation.

*Waste of residues:* Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.

*Contaminated packaging:* Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste.

*Category of disposal:* 16 03 05\* Organic wastes containing dangerous substances.

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<b>SECTION 14: Transport Information</b>				
	<b>Land-Road/Railway (ADR/RID):</b>	<b>Inland waterways (ADNR):</b>	<b>Sea (IMDG):</b>	<b>Air (IATA):</b>
<b>14.1 UN number</b>	UN 1247	UN 1247	UN 1247	UN 1247
<b>14.2 UN proper shipping name</b>	methyl methacrylate, stabilized	methyl methacrylate, stabilized	methyl methacrylate, stabilized	methyl methacrylate, stabilized
<b>14.3 Transport hazard class(es)</b>				
Class	3	3	3	3
Hazard identification number	339	/	/	/
Classification group	F1	/	/	/
Hazardous label	3	/	/	/
Tunnel restriction code	(D/E)	/	/	/
Medical First Aid Guide:	/	/	330	/
EmS	/	/	F-E, S-D	/
Limited quantities- LQ	1L	1L	1L	1L
Properties	Colorless, volatile liquid; flash point 8 °C; explosive limits 1.5% – 11.6%; immiscible with water. Irritating to skin, eyes, and mucous membranes.			
Packaging instructions	P001, IBC02, R001	/	P001, IBC02	353 (PCA), 364 (CAO)
<b>14.4 Packing group</b>	II	/	II	II
<b>14.5 Environmental hazards</b>	Not marine pollutant.			
<b>14.6 Special precautions for user</b>	No special precautions			
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	The cargo is not transported in bulk.			

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### **SECTION 15: Regulatory information**

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

The product is classified and labeled in accordance with EC Directives 1907/2006 and 1272/2008 and their amendments, or corresponding national legislation (Regulation on the Implementation of Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, Official Gazette of the Republic of Slovenia, No. 56/10).

#### **15.2 Chemical safety assessment**

No data available.

### **SECTION 16: Other information**

#### *Revision:*

Version 09 issued on July 2025 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Revision in accordance to changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### *Legend of abbreviations:*

ADR – European agreement concerning the international carriage of dangerous goods by road

CAS – Chemical Abstracts Service

CLP – Classification, Labeling and Packaging

CMR – Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived no-effect level

EC<sub>50</sub>: Half maximal effective concentration

EmS – Emergency Schedule

GHS – Globally Harmonised System of Classification and Labeling of Chemicals

IATA – International Air Transport Association

IMDG – International Maritime Dangerous Goods Code

LC<sub>50</sub>: Lethal concentration, 50%

LD<sub>50</sub>: Median lethal dose; the dose causing 50% lethality

MARPOL – International convention for the prevention of pollution from ships

NOEC - No-observed-effect concentration

OEL - Occupational exposure limit

OECD - Organisation for Economic Co-operation and Development

PBT – Persistent Bioaccumulative Toxic

PNEC: Predicted no-effect concentration

Ppm – parts per million

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REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID – Regulation concerning the international carriage of dangerous goods by rail  
vPvB – very Persistent and very Bioaccumulative

*References:*

- Regulation (EC) No. 1907/2006 (REACH), as amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)
- Safety Data Sheet of the raw material manufacturer
- Martindale: The Extra Pharmacopoeia, 13th edition
- Website: <https://chem.echa.europa.eu/>
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

*Disclaimer of expressed and implied warranties:*

The information contained in the safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.