



BE SURE. BUILD SURE.

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## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.10.2021



Version number 6

Revision: 19.10.2021

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

- **Product identifier**
- **Trade name** *MC-Injekt 3000 HPS - Komponente A 2*
- **CAS Number:** 2867-47-2
- **EC number:** 220-688-8
- **Index number:** 607-132-00-3
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Construction chemicals*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de*  
*MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533*
- **Informing department:** *msds@mc-bauchemie.de*
- **Emergency telephone number:** *Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +48612864565*

### 2 Hazards identification

- **Classification of the substance or mixture**  
*Flam. Liq. 4 H227 Combustible liquid.  
Acute Tox. 4 H302 Harmful if swallowed.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Skin Corr. 1B H314 Causes severe skin burns and eye damage.  
Skin Sens. 1 H317 May cause an allergic skin reaction.*
- **Label elements**
- **GHS label elements** *The substance is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**  
   
GHS05 GHS07
- **Signal word** *Danger*
- **Hazard-determining components of labelling:** *2-dimethylaminoethyl methacrylate*

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- **Hazard statements**
  - Combustible liquid.
  - Harmful if swallowed.
  - Harmful in contact with skin.
  - Causes severe skin burns and eye damage.
  - May cause an allergic skin reaction.
- **Precautionary statements**
  - Do not breathe dusts or mists.
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Immediately call a POISON CENTER/doctor.
  - Specific treatment (see on this label).
  - Take off contaminated clothing and wash it before reuse.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterisation: Substances**
- **CAS No. Designation:** 2867-47-2 2-dimethylaminoethyl methacrylate
- **Identification number(s):**
- **EC number:** 220-688-8
- **Index number:** 607-132-00-3

### 4 First aid measures

- **Description of first aid measures**
- **General information**
  - Instantly remove any clothing soiled by the product.
  - Take affected persons into the open air.
- **After inhalation**
  - Supply fresh air and call for doctor for safety reasons.
- **After skin contact**
  - Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
  - Rinse opened eye for several minutes under running water.
  - Call a doctor immediately.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**
  - No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
  - No further relevant information available.

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### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** Prevent material from reaching sewage system, holes and cellars. Dilute with much water.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.
- **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 information on disposal.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

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### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Keep away from foodstuffs, beverages and food.
  - Instantly remove any soiled and impregnated garments.
  - Wash hands during breaks and at the end of the work.
  - Avoid contact with the eyes and skin.
- **Breathing equipment:**
  - In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
  - Filter A2-P3
- **Protection of hands:**
  - Protective gloves.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
  - Nitrile rubber, NBR
  - Butyl rubber, BR
  - 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
  - Safety glasses
  - Tightly sealed safety glasses.
- **Body protection:**
  - Protective work clothing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Fluid
  - Colour:** Light yellow

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· <b>Smell:</b>	Ammonia-like
· <b>pH-value:</b>	9.95
· <b>Change in condition</b> <b>Melting point/freezing point:</b>	- 50 °C
<b>Initial boiling point and boiling range:</b>	187 °C
· <b>Flash point:</b>	70 °C
· <b>Ignition temperature:</b>	255 °C
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Critical values for explosion:</b> <b>Lower:</b>	1.2 Vol %
· <b>Steam pressure at 20 °C:</b>	1 hPa
· <b>Density at 20 °C</b>	0.933 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with</b> <b>Water at 20 °C:</b>	106 g/l
· <b>Viscosity:</b> <b>dynamic at 20 °C:</b>	2 mPas
· <b>Other information</b>	SAPT > 55°C

### 10 Stability and reactivity

· <b>Reactivity</b>	No further relevant information available.
· <b>Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
· <b>Possibility of hazardous reactions</b>	No dangerous reactions known
· <b>Conditions to avoid</b>	No further relevant information available.
· <b>Incompatible materials:</b>	No further relevant information available.
· <b>Hazardous decomposition products:</b>	No dangerous decomposition products known

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

**2867-47-2 2-dimethylaminoethyl methacrylate**

Oral	LD50	<2000 mg/kg (rat)
	NOAEL	200 mg/kg (rat)

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Dermal LD50	<2000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant for skin and mucous membranes.
- **Serious eye damage/irritation** Irritant effect.
- **Respiratory or skin sensitisation** Sensitization possible by skin contact.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** Biodegradability:  
Result: 95,3%  
Method: (OECD 301 E, 84/449/EWG Teil C.3, 28d)
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**  
Toxicity to fish:  
LC50 *Oryzias latipes*: 19,1 mg/l / 96h Method: OECD 203  
LC0 *Oryzias latipes*: 1,36 mg/l / 14d Method: OECD 204  
  
Toxicity to daphnia:  
EC50 *Daphnia magna*: 33 mg/l / 48h Method: OECD 202  
  
Toxicity to algae:  
EC50 *Selenastrum capricornutum*: 41,6 mg/l / 72h Method: OECD 201
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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· Recommended cleaning agent:

Water, if necessary with cleaning agent.

### 14 Transport information

· UN-Number	UN2522
· ADR, IMDG, IATA	
· UN proper shipping name	2-DIMETHYLAMINOETHYL METHACRYLATE, STABILIZED
· ADR, IMDG, IATA	
· Transport hazard class(es)	
· ADR	
· Class	6.1 (T1) Toxic substances.
· Label	6.1
· IMDG, IATA	
· Class	6.1 Toxic substances.
· Label	6.1
· Packing group	
· ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Toxic substances.
· Kemler Number:	69
· EMS Number:	F-A, S-A
· Stowage Category	D
· Stowage Code	SW2 Clear of living quarters.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	100 ml
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	100 ml

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· <b>Excepted quantities (EQ)</b>	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 2522 2-DIMETHYLAMINOETHYL METHACRYLATE, STABILIZED, 6.1, II

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**      *Substance is not listed.*
- **National regulations**      0.00 %
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing data specification sheet:**      *Environment protection department.*
- **Contact:**
- **Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
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  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Sens. 1: Skin sensitisation – Category 1

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