



BE SURE. BUILD SURE.

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Safety Data Sheet according to P.U.(A) 310/2013

Printing date 25.10.2021



Version number 6

Revision: 19.10.2021

1 Identification of the hazardous chemical and of the supplier

- **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
- **Recommended use of the chemical and restrictions on use** *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 Hazard identification

- **Classification of the substance or mixture**
*Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful if in contact with skin.
Skin Corr. 1 H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause 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** Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
May cause allergic skin reaction.
- **Precautionary statements** Do not breathe dusts or mists.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Remove/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 measures (see on this label).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

- **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 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, 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 and 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 trough 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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· Smell:	Ammonia-like
· pH-value:	9.95
· Change in condition	
Melting point/freezing point	- 50 °C
Initial boiling point and boiling range	187 °C
· Flash point:	70 °C
· Ignition temperature:	255 °C
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	1.2 Vol %
· Steam pressure at 20 °C:	1 hPa
· Density at 20 °C	0.933 g/cm ³
· Solubility in / Miscibility with Water at 20 °C:	106 g/l
· Viscosity:	
dynamic at 20 °C:	2 mPas
· Other information	SAPT > 55°C

10 Stability and reactivity

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

- **Primary irritant effect:**
- **Skin corrosion or irritation** Irritant for skin and mucous membranes.
- **Serious eye damage or eye irritation** Irritant effect.
- **Respiratory / skin sensitization** 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 information

- **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 Transportation information

· UN-Number · ADR, IMDG, IATA	UN2522
· UN proper shipping name · ADR, IMDG, IATA	2-DIMETHYLAMINOETHYL METHACRYLATE, STABILIZED
· Transport hazard class(es) · ADR · Class · Label	6.1 (T1) Toxic substances. 6.1
· IMDG, IATA · Class · Label	6.1 Toxic substances. 6.1
· Packing group · ADR, IMDG, IATA	II
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user · Kemler Number: · EMS Number: · Stowage Category · Stowage Code	Warning: Toxic substances. 69 F-A, S-A D 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) · Excepted quantities (EQ)	100 ml Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ)	100 ml

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

15 Regulatory information

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

· **EHS reference list**

Substance is listed.

· **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
Acute Tox. 4: Acute toxicity - oral - Category 4
Skin Corr. 1: Skin corrosion or irritation - Category 1
Eye Dam. 1: Serious eye damage or eye irritation - Category 1
Skin Sens. 1: Skin sensitization - Category 1

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