



BE SURE. BUILD SURE.

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

Printing date 10.06.2022



Version number 8

Revision: 10.06.2022

### 1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** MC-Injekt GL-95 - 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  
Injektion
- **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

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- **Hazard-determining components of labelling:** 2-dimethylaminoethyl methacrylate
- **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** 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.  
Rust and any other oxydative pollutions may lead to the polymerisation of component A 2.
- **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.

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· **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
  - Recommended thickness of the material:  $\geq 0.3$  mm
  - 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**
  - Breakthrough time:  $> = 240$  min
  - 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.

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**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Light yellow
· <b>Smell:</b>	Ammonia-like

· **pH-value:** 9.95

· **Change in condition**

· <b>Melting point/freezing point</b>	- 50 °C
· <b>Initial boiling point and boiling range</b>	182 °C

· **Flash point:** 70 °C

· **Ignition temperature:** 200 °C (1.005 hPa)

· **Explosive properties:** Product is not explosive.

· **Critical values for explosion:**

· **Lower:** Not determined.

· **Steam pressure at 20 °C:** 0.58 hPa

· **Density at 20 °C** 0.97 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

· **Water at 20 °C:** 106 g/l

· **Viscosity:**

· <b>dynamic at 20 °C:</b>	2 mPas
· <b>kinematic at 20 °C:</b>	1.47 mm <sup>2</sup> /s (DIN 51562)

· **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

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#### 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)
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.

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#### 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.*
  
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

#### 14 Transportation information

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

· **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

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*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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