



BE SURE. BUILD SURE.

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

Printing date 15.10.2021

Version number 6


Revision: 13.10.2021

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

- **Product identifier**
- **Trade name** **MC-Fastpack Injekt LE - Komponente A**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** injection foam
- **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**
Acute Tox. 5 H303 May be harmful if swallowed.
Acute Tox. 5 H333 May be harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:** N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)
2,2'-oxybisethanol
- **Hazard statements** May be harmful if swallowed.
May be harmful if inhaled.

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- **Precautionary statements**
 - Causes skin irritation.
 - Causes serious eye irritation.
 - Wear protective gloves / eye protection / face protection.
 - IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
 - IF IN EYES: Rinse cautiously with water for several minutes.
 - Remove contact lenses, if present and easy to do. Continue rinsing.
 - If skin irritation occurs: Get medical advice/attention.
 - Take off contaminated clothing and wash it before reuse.
 - If eye irritation persists: Get medical advice/attention.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

- **Dangerous components:**

25322-69-4	Polymer of propylene glycol Acute Tox. 5, H303; Acute Tox. 5, H313	<25%
102-71-6	2,2',2''-nitrilotriethanol Acute Tox. 5, H313	<10%
3033-62-3	N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine) Acute Tox. 3, H311; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Aquatic Acute 3, H402	≥1-<3%
111-46-6	2,2'-oxybisethanol Acute Tox. 3, H331; Acute Tox. 4, H302	<0.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information** Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Instantly call for doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **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.
Ensure adequate ventilation.
- **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** 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:** None.
- **Storage class** 10

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· **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:**

3033-62-3 N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)

REL (USA)	Minimize exp.; NIAX Catalyst ESN; Pocket Guide App.C
TLV (USA)	Short-term value: 0.15 ppm Long-term value: 0.05 ppm Skin

111-46-6 2,2'-oxybisethanol

WEEL (USA)	Long-term value: 10 mg/m ³
WEL (Great Britain)	Long-term value: 101 mg/m ³ , 23 ppm

· **DNELs**

25791-96-2 Glycerin, propoxyliert

Dermal	DNEL	13.9 mg/kg bw/day (ArL)
Inhalative	DNEL	98 mg/m ³ (ArL)

3033-62-3 N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)

Inhalative	DNEL	0.08 mg/m ³ (ArL)
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111-46-6 2,2'-oxybisethanol

Dermal	DNEL	106 mg/kg bw/day (ArL)
Inhalative	DNEL	60 mg/m ³ (ArL)

· **PNECs**

25791-96-2 Glycerin, propoxyliert

PNEC	1000 mg/l (Kla) 0.02 mg/l (Mew) 0.2 mg/l (Suw)
PNEC	0.0665 mg/kg dwt (Bod) 0.052 mg/kg dwt (Marine water sediment) 0.52 mg/kg dwt (Fresh water sediment)

3033-62-3 N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)

PNEC	7.2 mg/l (Sewage Treatment Plant) 0.023 mg/l (Fresh water) 0.0023 mg/l (Mew)
PNEC	0.007 mg/kg dwt (Bod) 0.0019 mg/kg dwt (Marine water sediment) 0.019 mg/kg dwt (Fresh water sediment)

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111-46-6 2,2'-oxybisethanol

PNEC	199.5 mg/l (Sewage Treatment Plant)
	10 mg/l (Fresh water)
	1 mg/l (Marine)
PNEC	1.53 mg/kg dwt (Bod)
	20.9 mg/kg dwt (Fresh water sediment)

- **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.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **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** 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:** Impervious protective clothing
Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Liquid
 - Colour: Yellow
- **Smell:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
 - Melting point/freezing point: Not determined

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Initial boiling point and boiling range: Not determined	
· Flash point:	>100 °C
· Inflammability (solid, gaseous)	Not applicable.
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Steam pressure:	Not determined.
· Density at 20 °C	1.05 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Partly miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Other information	No further relevant information available.

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:

25791-96-2 Glycerin, propoxyliert

Oral	LD50	>2000 mg/kg (rat)
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25322-69-4 Polymer of propylene glycol

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rabbit)
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3033-62-3 N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)

Oral	LD50	609 mg/kg (rat)
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Dermal	LD50	314 mg/kg (rabbit)
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111-46-6 2,2'-oxybisethanol

Oral	LD50	12565 mg/kg (rat)
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	NOAEL	3060 mg/kg (mouse)
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Dermal	LD50	11890 mg/kg (rabbit)
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Inhalative	LC50/4 h	>5.08 mg/l (rat)
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· Primary irritant effect:

· Serious eye damage/irritation No irritant effect.

· Respiratory or skin sensitisation

No sensitizing effect known.

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful

12 Ecological information

· Toxicity

· Aquatic toxicity:

25791-96-2 Glycerin, propoxyliert

LC50/96h	>1000 mg/l (Leucidus idus)
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EC50/48h	>100 mg/l (Daphnia magna)
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EC0	>100 mg/l (Desmodesmus subspicatus)
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25322-69-4 Polymer of propylene glycol

LC50/48h	>100 mg/l (Leucidus idus)
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EC50/48h	>100 mg/l (Daphnia magna)
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EC0	>100 mg/l (Desmodesmus subspicatus)
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3033-62-3 N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)

LC50/96h	131.2 mg/l (Oncorhynchus mykiss)
EC50/48h	102 mg/l (Daphnia magna)
NOEC	1.83 mg/l (algae)
ErC50/72h	24 mg/l (algae)

111-46-6 2,2'-oxybisethanol

LC50	>1000 mg/l (Bak)
EC50/24h	>10000 mg/l (Daphnien)
LC50/96h	75200 mg/l (fish)
NOEC	8590 mg/l (Daphnien)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|-------------------------------------|------|
| · UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |

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· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **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:**
 - 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
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - 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 – Category 4
 - Acute Tox. 5: Acute toxicity – Category 5
 - Acute Tox. 3: Acute toxicity – Category 3
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 - Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

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