



BE SURE. BUILD SURE.

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

Printing date 23.06.2023


Version number 23

Revision: 23.06.2023

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** **MC-Injekt 2033 - Komponente B**
- **Recommended use of the chemical and restrictions on use** *No further relevant information available.*
- **Application of the substance / the mixture** *Polyurethane resin
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*

2 Hazard identification

- **Classification of the substance or mixture**
*Skin Corr. 1 H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**

GHS05
- **Signal word** *Danger*
- **Hazard-determining components of labelling:** *N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine
N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)*
- **Hazard statements** *Causes severe skin burns and eye damage.*
- **Precautionary statements** *Do not breathe dusts or mists.
Wear protective gloves/protective clothing/eye protection/face protection.*

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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 treatment (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: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

33329-35-0	<i>N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine</i> Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Acute Tox. 4, H312	≥5-<10%
3033-62-3	<i>N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)</i> Acute Tox. 3, H311; Skin Corr. 1, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	≥3-<5%
34364-26-6	<i>bismuth(3+) neodecanoate</i> Eye Irrit. 2, H319; Aquatic Chronic 4, H413	<1.5%
26896-20-8	<i>Neodecansäure</i> Skin Irrit. 2, H315; Eye Irrit. 2, H319	<1.5%

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

4 First-aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water. Seek medical treatment.
- **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 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment. Extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water.
- **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:** Inform respective authorities in case product reaches water or sewage system.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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** 8A

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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 section 7.

· **Control parameters**

· **Components with critical values that require**

monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

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

Inhalative DNEL 0.08 mg/m³ (ArL)

· **PNECs**

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)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

In case of brief exposure or low pollution or when application is performed at confined area with adequate mechanical ventilation meeting local authority requirements, use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **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.

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· **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:	Whitish
· Smell:	Characteristic

· **pH-value:** Not determined.

· **Change in condition**

· Melting point/freezing point	Not determined
· Initial boiling point and boiling range	Not determined

· **Flash point:** 73 °C

· **Auto-ignition temperature** Product is not selfigniting.

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

· **Steam pressure:** Not determined.

· **Density at 20 °C** 1.03 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

· **Viscosity:**

· dynamic:	Not determined.
· kinematic at 20 °C:	15 s (DIN 53211/4)

· **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

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- **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:**

33329-35-0 N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine

Oral	LD50	2445 mg/kg (rat)
Dermal	LD50	1150 mg/kg (rabbit)
Inhalative	LC50/4 h	1.9 mg/l (rat)

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

Oral	LD50	609 mg/kg (rat)
Dermal	LD50	314 mg/kg (rabbit)

34364-26-6 bismuth(3+) neodecanoate

Oral	LD50	3030 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	5.5 mg/l (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** No sensitizing effect known.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

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)

- **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.

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- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
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.

14 Transportation information

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

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15 Regulatory information

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

· **EHS reference list**

None of the ingredients is listed.

· **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:** 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
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. 3: Acute toxicity - oral – Category 3
Acute Tox. 4: Acute toxicity - oral – Category 4
Acute Tox. 2: Acute toxicity - oral – Category 2
Skin Corr. 1: Skin corrosion or irritation – Category 1
Skin Irrit. 2: Skin corrosion or irritation – Category 2
Eye Dam. 1: Serious eye damage or eye irritation – Category 1
Eye Irrit. 2: Serious eye damage or eye irritation – Category 2
Aquatic Chronic 4: Hazardous to the aquatic environment - chronic hazard – Category 4

· *** Data compared to the previous version altered.**

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