



BE SURE. BUILD SURE.

Page 1/9

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

Printing date 06.11.2018

Revision: 09.10.2018

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

1.1 Product identifier

Trade name **MC-Injekt 2033 - Komponente B**

Article number: 11

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Polyurethane resin
Injektion

1.3 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: Technische Abteilung
msds@mc-bauchemie.de

1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word

Danger

(Contd. on page 2)

GB



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

(Contd. of page 1)

- **Hazard-determining components of labelling:** *N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine*
- **Hazard statements** *H314 Causes severe skin burns and eye damage.*
- **Precautionary statements**
 - P260 Do not breathe dusts or mists.*
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.*
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
 - P310 Immediately call a POISON CENTER/doctor.*
 - P321 Specific treatment (see on this label).*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

CAS: 33329-35-0 EINECS: 251-459-0	<i>N,N-bis[3-(dimethylamino)propyl]-N',N'-dimethylpropane-1,3-diamine</i> <i>Skin Corr. 1B, H314; Acute Tox. 4, H312</i>	<i>≥5-<10%</i>
CAS: 3033-62-3 EINECS: 221-220-5 Reg.nr.: 01-2119972935-21	<i>ethanamine, 2,2'-oxybis[N,N-dimethyl- Acute Tox. 3, H311; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332</i>	<i>≥3-<5%</i>
CAS: 34364-26-6 EINECS: 251-964-6	<i>bismuth(3+) neodecanoate</i> <i>Eye Irrit. 2, H319; Aquatic Chronic 4, H413</i>	<i><2.5%</i>
CAS: 26896-20-8 EINECS: 248-093-9	<i>Neodecansäure</i> <i>Skin Irrit. 2, H315; Eye Irrit. 2, H319</i>	<i><1.5%</i>

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

SECTION 4: First aid measures

- **4.1 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.*

(Contd. on page 3)



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name **MC-Injekt 2033 - Komponente B**

(Contd. of page 2)

- **4.2 Most important symptoms and effects, both acute and delayed** Seek medical treatment.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 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.

SECTION 7: Handling and storage

- **7.1 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.

(Contd. on page 4)



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

(Contd. of page 3)

- **7.2 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.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
See MC-Injekt 2033 Component A
- **8.1 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.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
- **Breathing equipment:** Wash hands during breaks and at the end of the work.
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.
- **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.

(Contd. on page 5)



BE SURE. BUILD SURE.

Page 5/9

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

· **Body protection:** Protective work clothing.

(Contd. of page 4)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· **Form:** Fluid
· **Colour:** Whitish
· **Smell:** Characteristic

· Change in condition

· **Melting point/freezing point:** Not determined
· **Initial boiling point and boiling range:** 195 °C

· **Flash point:** > 110 °C

· **Self-inflammability:** Product is not selfigniting.

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

· **Density at 20 °C** 1.03 g/cm³

· **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

· Viscosity:

· **kinematic at 20 °C:** 15 s (DIN 53211/4)

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· 10.2 Chemical stability

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

GB



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

(Contd. of page 5)

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	2,445 mg/kg (Ratte)
Dermal	LD50	1,150 mg/kg (Kaninchen)
Inhalative	LC50/4 h	1.9 mg/l (Ratte)

3033-62-3 ethanamine, 2,2'-oxybis[N,N-dimethyl-]

Oral	LD50	609 mg/kg (Ratte)
Dermal	LD50	314 mg/kg (Kaninchen)
Inhalative	LC50/4 h	4 mg/l (Ratte)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

3033-62-3 ethanamine, 2,2'-oxybis[N,N-dimethyl-]

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

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 7)



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

(Contd. of page 6)

- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packagings:**
- **Recommendation:** *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
The product has very low viscosity that the tin can be emptied to a high degree. The material which is still remaining in the metal tin can be disposed because the liquid will be decomposed by microorganisms.*

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** *Void*
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** *Void*
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** *Void*
- **14.4 Packing group**
- **ADR, IMDG, IATA** *Void*
- **14.5 Environmental hazards:**
- **Marine pollutant:** *No*
- **14.6 Special precautions for user** *Not applicable.*
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** *Not applicable.*

(Contd. on page 8)



BE SURE. BUILD SURE.

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name **MC-Injekt 2033 - Komponente B**

(Contd. of page 7)

· UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**
 - H302 Harmful if swallowed.
 - H311 Toxic in contact with skin.
 - H312 Harmful in contact with skin.
 - H314 Causes severe skin burns and eye damage.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H413 May cause long lasting harmful effects to aquatic life.
- **Department issuing data specification sheet:** Environment protection department.
- **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 européen sur le transport 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
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - 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)
 - 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 – Category 3
 - Acute Tox. 4: Acute toxicity – Category 4
 - 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. 2: Serious eye damage/eye irritation – Category 2

(Contd. on page 9)



BE SURE. BUILD SURE.

Page 9/9

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

Printing date 06.11.2018

Revision: 09.10.2018

Trade name MC-Injekt 2033 - Komponente B

(Contd. of page 8)

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· * Data compared to the previous version altered.

GB