



BE SURE. BUILD SURE.

Page 1/10

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

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

#### 1.1 Product identifier

Trade name **MC-DUR 2211 MB - Komponente A**

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

No further relevant information available.

#### 1.3 Application of the substance / the mixture

Construction chemicals

#### 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: 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 Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

#### 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



GHS07 GHS09

##### Signal word

Warning

##### Hazard-determining components of labelling:

6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine  
hexahydromethylphthalic anhydride

##### Hazard statements

H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

**Trade name MC-DUR 2211 MB - Komponente A**

(Contd. of page 1)

- **Precautionary statements**
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P273 Avoid release to the environment.
  - P280 Wear protective gloves.
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  - P321 Specific treatment (see on this label).
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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: 106264-79-3 ELINCS: 403-240-8	6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	≥2.5-<25%
CAS: 149-57-5 EINECS: 205-743-6	2-ethylhexanoic acid Repr. 2, H361d; Acute Tox. 4, H302; Acute Tox. 4, H312	<2.5%
CAS: 68479-98-1 EINECS: 270-877-4	diethylmethylenediamine STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2, H319	≥0.25-<2.5%
CAS: 25550-51-0 EINECS: 247-094-1	hexahydromethylphthalic anhydride Resp. Sens. 1, H334; Eye Dam. 1, H318; Skin Sens. 1, H317	≥0.1-<1%

· **SVHC**

25550-51-0 hexahydromethylphthalic anhydride

- **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** Rinse opened eye for several minutes under running water. Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water. Seek medical treatment.

(Contd. on page 3)



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 2)

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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.
- **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:** Prevent material from reaching sewage system, holes and cellars.
- **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** Store in cool, dry place in tightly closed containers.  
Open and handle container with care.
- **Information about protection against explosions and fires:** No special measures required.
- **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.

(Contd. on page 4)



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 3)

- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

**149-57-5 2-ethylhexanoic acid**

OEL (Ireland) Long-term value: 5 mg/m<sup>3</sup>

- **DNELs**

**68479-98-1 diethylmethylenediamine**

Dermal DNEL 1 mg/kg bw/day (ArL)

Inhalative DNEL 0.13 mg/m<sup>3</sup> (ArL)

- **PNECs**

**68479-98-1 diethylmethylenediamine**

PNEC 0.05 µg/l (Mew)

0.5 µg/l (Suw)

PNEC 17 mg/l (Kla)

PNEC 0.0029 mg/kg dwt (Marine water sediment)

0.029 mg/kg dwt (Fresh water sediment)

- **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**

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.

- **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.

(Contd. on page 5)



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 4)

- **Eye protection:** Safety glasses  
Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

#### SECTION 9: Physical and chemical properties

##### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

- **Form:** Fluid
- **Colour:** Grey
- **Smell:** Characteristic

##### · Change in condition

- **Melting point/freezing point:** Not determined
- **Initial boiling point and boiling range:** Not determined

- **Flash point:** >100 °C

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

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

- **Steam pressure:** Not determined.

- **Density at 20 °C** 1.53 g/cm<sup>3</sup>

##### · Solubility in / Miscibility with

- **Water:** Not miscible or difficult to mix

##### · Viscosity:

- **dynamic at 23 °C:** 800 mPas

- **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



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 5)

**SECTION 11: Toxicological information**

· **11.1 Information on toxicological effects**

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

· **LD/LC50 values that are relevant for classification:**

**149-57-5 2-ethylhexanoic acid**

Oral	LD50	1300 mg/kg (rabbit) 1600 mg/kg (rat)
Dermal	LD50	5690 mg/kg (Meerschweinchen) 1260 mg/kg (rabbit)

**68479-98-1 diethylmethylbenzenediamine**

Oral	LD50	738 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit) >2000 mg/kg (rat)

**25550-51-0 hexahydromethylphthalic anhydride**

Inhalative	LC50/4 h	563 mg/l (rat)
------------	----------	----------------

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** May cause an allergic skin reaction.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, 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:**

**68479-98-1 diethylmethylbenzenediamine**

EC50/24h	170 mg/l (Pseudomonas putida)
EC50/72h	104 mg/l (algae)
LC50/96h	>104 mg/l (fish)
LC50/48h	0.5 mg/l (Daphnien) 200 mg/l (fish)
EC50/48h	5.8 mg/l (Daphnien)

(Contd. on page 7)



BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 6)

- **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.
- **Additional ecological information:**
- **General notes:** Danger to drinking water if even extremely small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **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.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3082
- **14.2 UN proper shipping name**
- **ADR, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine, diethylmethylbenzenediamine)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine, diethylmethylbenzenediamine), MARINE POLLUTANT

(Contd. on page 8)





BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 7)

· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR</b>	
· <b>Class</b>	9 (M6) Miscellaneous dangerous substances and articles.
· <b>Label</b>	9
-----	
· <b>IMDG, IATA</b>	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles.
· <b>Label</b>	9
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	
	Warning: Miscellaneous dangerous substances and articles.
· <b>Kemler Number:</b>	90
· <b>EMS Number:</b>	F-A,S-F
· <b>Stowage Category</b>	A
· <b>14.7 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>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	(-)
-----	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

(Contd. on page 9)





BE SURE. BUILD SURE.

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name MC-DUR 2211 MB - Komponente A

(Contd. of page 8)

- **UN "Model Regulation":** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-METHYL-2,4-BIS(METHYLTHIO)PHENYLENE-1,3-DIAMINE, DIETHYLMETHYLBENZENEDIAMINE), 9, III

#### SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

25550-51-0 hexahydromethylphthalic anhydride

- 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.



BE SURE. BUILD SURE.

Page 10/10

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

Printing date 25.10.2021

Version number 6

Revision: 19.10.2021

Trade name **MC-DUR 2211 MB - Komponente A**

(Contd. of page 9)

### 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.
  - H312 Harmful in contact with skin.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - H361d Suspected of damaging the unborn child.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  
- **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 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
  - 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)
  - 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
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Acute toxicity – Category 4
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Resp. Sens. 1: Respiratory sensitisation – Category 1
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
  
- **\* Data compared to the previous version altered.**