

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : MIPLALINO 20 KG  
Revision date : 11.04.2016  
Print date : 29.08.2016

Version (Revision) : 12.0.0 (11.0.0)

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

### 1.1 Product identifier

MIPLALINO 20 KG

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

#### Relevant identified uses

Water borne adhesive

#### Product Categories [PC]

PC1 - Adhesives, sealants

#### Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Bostik GmbH

#### Street :

An der Bundesstraße 16

#### Postal code/city :

33829 Borgholzhausen

#### Telephone :

+49 (0) 5425-801-0

#### Telefax :

+49 (0) 5425-801-140

#### Information contact :

msds.germany@bostik.com

### 1.4 Emergency telephone number

out of office hours: +49 (0) 5425 / 951-220

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

None

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Special rules for supplemental label elements for certain mixtures

EUH208

Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE ; A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

EUH210

Safety data sheet available on request.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

HYDROCARBONS, C6-C7, n-ALKANES, ISOALKANES, CYCLICS, < 5% n-HEXANE ; REACH registration No. : 01-2119475514-35 ; EC No. : 921-024-6 ; CAS No. : 64742-49-0

Weight fraction :  $\geq 1 - < 3 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

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## Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

If medical advice is needed, have product container, label or safety data sheet at hand.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a physician in case of symptoms.

#### In case of skin contact

After contact with skin, wash with plenty of water and soap.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray alcohol resistant foam

#### Unsuitable extinguishing media

High power water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses.

#### Special protective equipment for firefighters

Use suitable breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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Treat the recovered material as prescribed in the section on waste disposal.

## 6.4 Reference to other sections

See chapter 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

No special measures are necessary.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

No particular measures required.

#### Hints on joint storage

Storage class (TRGS 510) : 10

#### Further information on storage conditions

Protect from frost ! Recommended storage temperature 10 °C - 30 °C.

### 7.3 Specific end use(s)

Water borne adhesive - Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

HYDROCARBONS, C6-C7, ISOALKANES, CYCLICS (< 5 % n-HEXANE)

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 400 mg/m<sup>3</sup> / 115 ppm

Version :

CYCLOHEXANE ; CAS No. : 110-82-7

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 700 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 01.06.2008

Limit value type (country of origin) : TWA ( EC )

Limit value : 200 ppm / 700 mg/m<sup>3</sup>

Version : 07.02.2006

HEXANE, MIXTURE OF ISOMERS (EXCL. N-HEXANE)

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 500 ppm / 1800 mg/m<sup>3</sup>

Peak limitation : 2(II)

Version : 01.05.2010

#### Biological limit values

CYCLOHEXANE ; CAS No. : 110-82-7

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Total 1,2-Cyclohexanediol / Urine (U) / End of exposure or end of shift ; At

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Print date : 29.08.2016

Version (Revision) : 12.0.0 (11.0.0)

Limit value : long term exposure: after several previous shifts  
150 mg/g Kr  
Version : 31.03.2004

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

Use safety glasses. - DIN EN 166

#### Skin protection

##### Hand protection

Wear suitable gloves. - DIN EN 374

**Suitable material** : CR (polychloroprene, chloroprene rubber) NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

**Unsuitable material** : PVA (Polyvinyl alcohol)

**Breakthrough time (maximum wearing time)** : The permeation time (max. usage time) of the gloves depends on material and thickness as well as temperature. The data are available from the manufacturer of the specific gloves. The permeation time for the mentioned glove materials is in general > 480 min.

**Recommended glove articles** : Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France); STANZOIL ® (CR - 0,85 mm) - ULTRANITRIL ® (491, 492, 494 oder 495 - NBR - 0,55mm) -

**Remark** : Disposable gloves are suitable as protection against spray or splashes, only.

#### Respiratory protection

Usually no personal respirative protection necessary.

##### Remark

For spray application suction of air or other appropriate measures are necessary to prevent inhalation of spray mist. Comply with the health and safety at work laws. (See also Leaflet TA - in German language - "Dispersionsklebstoffe im Sprühauftrag" des Industrieverbandes Klebstoffe e.V. - [www.klebstoffe.com](http://www.klebstoffe.com) --> Publikationen.)

### General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : liquid

**Colour** : Off white / pale

#### Odour

Poor, characteristic.

#### Odour threshold

No data available

#### Safety relevant basis data

**Melting point/melting range** : not applicable

**Initial boiling point and boiling range** : approx. 100 °C

**Decomposition temperature** : No data available

**Flash point** : > 60 °C c,c,

**Vapour pressure** : ( 50 °C) approx. 120 hPa

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Density :	(20 °C)	approx.	1,35 g/cm <sup>3</sup>
Water solubility :	(20 °C)		100 Wt %
log P O/W :			No data available
Viscosity :	(20 °C)		No data available
Relative vapour density :	(20 °C)		not relevant
Vapourisation rate :			not relevant
Oxidising liquids :		Not relevant.	
Explosive properties :		Not relevant.	

## 9.2 Other information

The product is not self-igniting. The product is not explosive.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is under normal conditions not reactive.

### 10.2 Chemical stability

Product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Protect from frost !

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

No dangerous decomposition products during appropriate storage and handling.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Assessment/classification

##### Health hazards

**Acute toxicity (oral) :** No - Based on available data, the classification criteria are not met.

**Acute toxicity (dermal) :** No - Based on available data, the classification criteria are not met.

**Acute toxicity (inhalation) :** No - Based on available data, the classification criteria are not met.

**Skin Corrosion / Irritation :** Category 3 - Causes mild skin irritation.

**Serious eye damage / eye irritation :** No - Based on available data, the classification criteria are not met.

**Sensitisation (Respiratory) :** No - Based on available data, the classification criteria are not met.

**Sensitisation (Skin) :** Category 2 - Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE ; A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

**Germ cell mutagenicity :** No - Based on available data, the classification criteria are not met.

**Carcinogenicity :** No - Based on available data, the classification criteria are not met.

**Reproductive toxicity :** No - Based on available data, the classification criteria are not met.

**Reproductive toxicity, Effects on or via lactation :** No - Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure) :** No - Based on available data, the classification criteria are not met.

**Specific target organ toxicity (Respiratory tract irritation) :** No - Based on available data, the classification criteria are not met.

**Specific target organ toxicity (Narcosis) :** No - Based on available data, the classification criteria are not met.

**Specific target organ toxicity (Repeated exposure) :** No - Based on available data, the classification criteria are not met.

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met.

**Aspiration hazard :** No - Based on available data, the classification criteria are not met.

## Additional information

When used and handled according to specification, the product does not have any harmful effect according to our experience and knowledge.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

The mixture has been checked following the conventional method for eco-toxicological properties. If classified as eco-toxic see section 2 for details.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Contains no PBT / vBvP-substance.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

Do not allow undiluted product or large quantities to reach sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Uncured product: Special waste.

Cured product: household garbage or trade garbage - observe local regulations.

#### Waste codes/waste designations according to EWC/AVV

08 04 10: Waste adhesives and sealants other than those mentioned in 08 04 09.

#### Waste treatment options

##### Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 13.2 Additional information

Please note: The classification of waste for this product may change according to the field of its application. Please observe Directive 2001/118/EC.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

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No dangerous good in sense of these transport regulations.

#### 14.4 Packing group

No dangerous good in sense of these transport regulations.

#### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

#### 14.6 Special precautions for user

Protect from frost !

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

### SECTION 15: Regulatory information

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

##### National regulations

Observe in addition any national regulations!

##### Restrictions of occupation

Please consider possible restrictions for the protection of pregnant and breastfeeding women at work (Directive 92/85/EC) and for the protection of young people at work (Directive 94/33/EC).

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I): < 1 %

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

##### Other regulations, restrictions and prohibition regulations

##### Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

#### 15.2 Chemical safety assessment

No information available.

### SECTION 16: Other information

#### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 03. Hazardous ingredients · 08. Occupational exposure limit values

#### 16.2 Abbreviations and acronyms

BCF - Bioconcentration Factor  
CMR - Carcinogenic-Mutagenic-toxic for Reproduction  
DNEL - Derived No Effect Level  
EWC - European Waste Catalogue  
NOEC - No Observed Effect Concentration  
NOEL - No Observed Effect Level  
OEL - Occupational Exposure Limit  
PBT - Persistent, Bioaccumulative, Toxic  
PNEC - Predicted No Effect Concentration  
STOT - Specific Target Organ Toxicity  
SVHC - Substance of Very High Concern  
vPvB - very Persistent, very Bioaccumulative

#### 16.3 Key literature references and sources for data

Regulations for prevention of accidents , safety rules and recommendations provided by professional associations.

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Observe technical data sheet.

## 16.4 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

## 16.5 Training advice

None

## 16.6 Additional information

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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