



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

### 1.1 Product identifier

Trade name: Group MSDS 1 for Chemloc Adhesives

This safety data sheet pertains to the following products:

900006 Chemloc U-900 - 10 g bottle: Paint red

900050 Chemloc U-900 - 50 g bottle

900250 Chemloc U-900 - 250 g bottle

902050 Chemloc S-270 - 50 g bottle: Paint red

902250 Chemloc S-270 - 250 g bottle

905050 Chemloc B-601 - 50 g bottle: Paint green

905250 Chemloc B-601 - 250 g bottle

906050 Chemloc B-641 - 50 g bottle: Paint yellow

906250 Chemloc B-641 - 250 g bottle

Chemloc D-542 - 50 g bottle: Paint brown

Chemloc D-542 - 250 g bottle

UFI: WTK0-705D-000A-Q74D

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

General use: Adhesive and sealing agent, anaerobic

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

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

### 1.4 Emergency telephone number

GLZ-Nord, Göttingen

Telephone: +49 551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to EC regulation 1272/2008 (CLP)**

Skin Irrit. 2; H315 Causes skin irritation.

Eye Irrit. 2; H319 Causes serious eye irritation.

Skin Sens. 1; H317 May cause an allergic skin reaction.

STOT SE 3; H335 May cause respiratory irritation.

### 2.2 Label elements

**Labelling (CLP)**



Signal word:

**Warning**



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

## Group MSDS 1 for Chemloc Adhesives

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Version: 8.2

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Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
Precautionary statements:	P102	Keep out of reach of children.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CENTER/doctor if you feel unwell.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P405	Store locked up.
	P501	Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling: Contains Hydroxypropyl methacrylate and Hydroxyethyl methacrylate.

### 2.3 Other hazards

No risks worthy of mention.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. - Index no. 607-134-00-4 CAS -	Methyl acrylate-ester (EU index number 607-134-00-4) Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.	>= 10 %
EC No. 248-666-3 CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2; H319. Skin Sens. 1; H317.	1 - 20 %
EC No. 212-782-2 CAS 868-77-9	2-Hydroxyethyl methacrylate Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317.	1 - 20 %
EC No. 201-254-7 CAS 80-15-9	Cumene hydroperoxide Org. Perox. E; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1B; H314. STOT RE 2; H373. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Skin Corr. 1B; H314: C ≥ 10 % / Skin Irrit. 2; H315: 3 % ≤ C < 10 % / Eye Dam. 1; H318: 3 % ≤ C < 10 % / Eye Irrit. 2; H319: 1 % ≤ C < 3 % / STOT SE 3; H335: C < 10 %	1 %

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



## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation:	Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical treatment in case of troubles.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Change contaminated clothing. In case of skin reactions, consult a physician. Wash contaminated clothing before reuse.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Consult physician.

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

Irritating to eyes, respiratory system and skin. May cause an allergic skin reaction.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, Carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

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

Combustible.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Do not breathe fumes.

Cool endangered containers with water jetspray.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes. Provide adequate ventilation.

Do not breathe vapours. Wear appropriate protective equipment.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

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

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Final cleaning.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.



## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Avoid contact with skin and eyes. Do not breathe vapours.  
Wear appropriate protective equipment.

Precautions against fire and explosion:  
Keep away from heat sources, sparks and open flames.

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

Requirements for storerooms and containers:  
Keep containers tightly closed and at a temperature between 5 °C and 28 °C.  
Keep only in the original container. Protect against heat /sun rays.

Hints on joint storage: keep away from strong oxidizing agents, strong acids, metals, rust.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection.  
Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.  
Glove material: butyl caoutchouc (butyl rubber) - Layer thickness: 0.7 mm  
Breakthrough time: 300 min  
Possible alternatives: Nitrile rubber, polyethylene  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:  
Do not breathe vapours. Change contaminated clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and after work.  
Street clothing should be stored separately from work clothing.  
Work place should be equipped with a shower and an eye rinsing apparatus.  
Keep away from food and drinks.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa

Form: liquid

Colour:

refer to section 1

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Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	> 100 °C (ISO 2592)
Decomposition temperature:	> 100 °C
pH:	4 - 6
Viscosity, dynamic:	at 25 °C: approx. 500 - 550 mPa*s (Brookfield)
Water solubility:	at 20 °C: insoluble
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: <= 0.5 hPa (DIN 51616)
Density:	at 20 °C: 1.0 - 1.1 g/mL (DIN 51757)
Vapour density:	No data available
Particle characteristics:	Not applicable

**9.2 Other information**

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	> 380 °C
Evaporation rate:	No data available
Additional information:	No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Refer to 10.3

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

In case of strong heating (&gt; 100 °C): Polymerisation!

**10.4 Conditions to avoid**

Protect from direct exposure to sunlight and temperatures exceeding 100 °C.

**10.5 Incompatible materials**

keep away from strong oxidizing agents, strong acids, metals, rust.

**10.6 Hazardous decomposition products**

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

Thermal decomposition: &gt; 100 °C

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity: LD50 Rat; oral: (By analogy) &gt; 5000 mg/kg



Toxicological effects:

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H335 = May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

## 11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: Product is biodegradable to a great extent.

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 08 04 09\* = Waste adhesives and sealants containing organic solvents or other dangerous substances

\* = Evidence for disposal must be provided.

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

**Package**

Waste key number: 15 01 02 = Plastic packaging  
Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA-DGR: Not restricted

**14.3 Transport hazard class(es)**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.4 Packing group**

ADR/RID, IMDG, IATA-DGR: not applicable

**14.5 Environmental hazards**

Dangerous for the environment: Substance/mixture is not environmentally hazardous  
according to the criteria of the UN model regulations.

Marine pollutant: no

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - EC member states****Labelling of packaging with <= 125mL content**

Signal word:

**Warning**

Hazard statements:

H317

May cause an allergic skin reaction.

H335

May cause respiratory irritation.

Precautionary statements:

P102

Keep out of reach of children.

P261

Avoid breathing vapours.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection.

P312

Call a POISON CENTER/doctor if you feel unwell.

P405

Store locked up.

P501

Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:

No data available

**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.

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**SECTION 16: Other information**

Wording of the H-phrases under paragraph 2 and 3:

H242 = Heating may cause a fire.

H302 = Harmful if swallowed.

H312 = Harmful in contact with skin.

H314 = Causes severe skin burns and eye damage.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H331 = Toxic if inhaled.

H335 = May cause respiratory irritation.

H373 = May cause damage to organs through prolonged or repeated exposure.

H411 = Toxic to aquatic life with long lasting effects.

Reason of change: General revision

Date of first version: 8/2/2002

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

- Acute Tox.: Acute toxicity
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- Aquatic Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Irrit.: Eye irritation
- IATA: International Air Transport Association
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- LD50: Lethal dose 50%
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- Org. Perox.: Organic peroxide
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- Skin Corr.: Skin corrosion
- Skin Irrit.: Skin irritation
- Skin Sens.: Skin sensitisation
- STOT RE: Specific target organ toxicity - repeated exposure
- STOT SE: Specific target organ toxicity - single exposure
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.