



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

### 1.1 Product identifier

Trade name: Group MSDS 2 for Chemloc Adhesives

This safety data sheet pertains to the following products:

901010 Chemloc S-242 - 10 g bottle: Paint dark blue

901050 Chemloc S-242 - 50 g bottle

901250 Chemloc S-242 - 250 g bottle

903050 Chemloc F-574-80 g bottle

UFI: DWK0-Q0US-900T-CJQF

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

General use: Adhesive

### 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

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Department responsible for information:

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

### 1.4 Emergency telephone number

**GIZ-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.

STOT SE 3; H335 May cause respiratory irritation.

### 2.2 Label elements

#### Labelling (CLP)



Signal word:

**Warning**

Hazard statements:

H315

Causes skin irritation.

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.
	P405	Store locked up.
	P501	Dispose of contents/container to hazardous or special waste collection point.

**Special labelling**

Text for labelling:	EUH208	Contains 2-Hydroxyethyl methacrylate. May produce an allergic reaction.
		Contains Methyl acrylate-ester.

**2.3 Other hazards**

Skin that has already been damaged (e.g. scratches, small cracks, micro-laceration, strong dehydration due to solvents), long-term, direct contact with the product may cause sensitization. Special danger of slipping by leaking/spilling product.

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.	>= 50 %
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 %
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**

General information:	If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection!
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.



Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately get medical attention.

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

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

#### 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.

Furthermore, there may develop: carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

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.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe vapours. Wear appropriate protective equipment.

Avoid contact with the substance. Take off contaminated clothing and wash it before reuse.

Keep unprotected people away.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

### 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) and place in closed containers for disposal. Final cleaning.

Additional information:

Special danger of slipping by leaking/spilling product.

### 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. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. When using do not eat, drink or smoke. Work place should be equipped with a shower and an eye rinsing apparatus.

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 container dry, tightly closed and store at cool and aired place.

Keep only in the original container. Protect against heat /sun rays.

Storage temperature: 5 - 28 °C.

Hints on joint storage:

Do not store together with strong oxidizing agents, strong acids or metals.

Keep away from food, drink and animal feedingstuffs.

### 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. Take off contaminated clothing and wash it before reuse.  
When using do not eat, drink or smoke. Wash hands before breaks and after work.  
Work place should be equipped with a shower and an eye rinsing apparatus.

### 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

liquid

Colour:

refer to section 1



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: 500 - 7500 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
<b>9.2 Other information</b>	
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 (> 100 °C): Polymerisation!

### 10.4 Conditions to avoid

Protect from direct exposure to sunlight and temperatures exceeding 100 °C.  
Keep away from sources of ignition - No smoking.

### 10.5 Incompatible materials

Strong oxidizing agents, strong acids, metals, rust.

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: > 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) > 5000 mg/kg  
LD50 Rabbit; dermal: (By analogy) > 2000 mg/kg



Toxicological effects:

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

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

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: Based on available data, the classification criteria are not met.

Contains 2-Hydroxyethyl methacrylate. May produce an allergic 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

## Symptoms

After contact with skin:  
Skin that has already been damaged (e.g. scratches, small cracks, micro-laceration, strong dehydration due to solvents), long-term, direct contact with the product may cause sensitization.

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

# 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: Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.  
Do not empty into drains.

**Package**

Waste key number: 15 01 02 = plastic container containing harmful residue

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:

H335

May cause respiratory irritation.

EUH208

Contains 2-Hydroxyethyl methacrylate. May produce an allergic reaction.

Precautionary statements:

P102

Keep out of reach of children.

P261

Avoid breathing vapours.

P271

Use only outdoors or in a well-ventilated area.

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:

Use restriction according to REACH annex XVII, no.: 3

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## 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.

EUH208 = Contains 2-Hydroxyethyl methacrylate. May produce an allergic reaction.

Reason of change:

General revision

Date of first version:

9/2/2002

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



**SAFETY DATA SHEET**

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

**Group MSDS 2 for Chemloc Adhesives**

Material number Adhesives2

Revision date: 25/1/2023

Version: 7.2

Replaces version: 7.1

Language: en-IE

Date of print: 3/2/2023

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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.