

**Group MSDS 1 for Chemloc Adhesives**

Material number Adhesives1

Page: 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: Group MSDS 1 for Chemloc Adhesives

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

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Department responsible for information:

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

Additional information: 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

1.4 Emergency telephone number

Giftzentrale Wien, Telephone: +43 (0)1-4064343

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.

**SAFETY DATA SHEET**

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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 2 of 10

2.2 Label elements**Labelling (CLP)**

Signal word:

Warning

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.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable



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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 3 of 10

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. - CAS -	Methyl acrylate-ester (EU index number 607-134-00-4)	>= 10 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.
EC No. 248-666-3 CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	1 - 20 %	Eye Irrit. 2; H319. Skin Sens. 1; H317.
EC No. 212-782-2 CAS 868-77-9	2-Hydroxyethyl methacrylate	1 - 20 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317.
EC No. 201-254-7 CAS 80-15-9	Cumene hydroperoxide	1 %	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.

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.

**Group MSDS 1 for Chemloc Adhesives**

Material number Adhesives1

Page: 4 of 10

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: -

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.

**Group MSDS 1 for Chemloc Adhesives**

Material number Adhesives1

Page: 5 of 10

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**

- Appearance: Form: liquid
Colour: refer to section 1
- Odour: characteristic
- Odour threshold: No data available
- pH: 4 - 6
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: > 100 °C (ISO 2592)
- Evaporation rate: No data available
- Flammability: No data available
- Explosion limits: No data available
- Vapour pressure: at 20 °C: ≤ 0.5 hPa (DIN 51616)
- Vapour density: No data available
- Density: at 20 °C: 1.0 - 1.1 g/mL (DIN 51757)
- Water solubility: at 20 °C: insoluble
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: > 380 °C
- Decomposition temperature: > 100 °C
- Viscosity, dynamic: at 25 °C: approx. 500 - 550 mPa*s (Brookfield)



SAFETY DATA SHEET

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Revision date: 29/4/2021
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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 6 of 10

Explosive properties: No data available
Oxidizing characteristics: No data available

9.2 Other information

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.

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: > 100 °C

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

**Group MSDS 1 for Chemloc Adhesives**

Material number Adhesives1

Page: 7 of 10

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.

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 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

MFSU = manufacture, formulation, supply and use

* = Evidence for disposal must be provided.

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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 8 of 10

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**

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

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: -

No data available

**SAFETY DATA SHEET**

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Revision date: 29/4/2021

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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 9 of 10

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.

SECTION 16: Other information**Further 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.



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Group MSDS 1 for Chemloc Adhesives

Material number Adhesives1

Page: 10 of 10

Abbreviations and acronyms:

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
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
EU: European Union
MFSU: Manufacture, formulation, supply and use
IATA: International Air Transport Association
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
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
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 1: product identifier (UFI)

Date of first version: 8/2/2002

Department issuing data sheet

Contact person: see section 1: Department responsible for information

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.