



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

### 1.1 Product identifier

Trade name: Systemreiniger

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

General use: Cleaning agent

### 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: 6842 Koblach

Austria

WWW: www.eurotech.at

E-mail: office@eurotech.at

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Dept. responsible for information:

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

### 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)

Acute Tox. 4; H302 Harmful if swallowed.

Eye Dam. 1; H318 Causes serious eye damage.

### 2.2 Label elements

#### Labelling (CLP)



Signal word:

**Danger**

Hazard statements:

H302

Harmful if swallowed.

H318

Causes serious eye damage.



Precautionary statements:

P102	Keep out of reach of children.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face 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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to hazardous or special waste collection point.

**Special labelling**

Text for labelling: Contains 3,3'-methylenebis[5-methyloxazolidine]; alcohols, C8-18, ethoxylated.

**2.3 Other hazards**

Corrosive against metals.  
A corrosive effect cannot be ruled out because of the pH value.  
Special danger of slipping by leaking/spilling product.

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:

Ingredient	Designation	Content	Classification
EC No. 266-235-8 CAS 66204-44-2	3,3-Methylen-bis (5-methoxyl-oxazolidin)	35 - 45 %	Acute Tox. 4; H302.
EC No. - CAS 24938-91-8	alcohols, C8-18, ethoxylated	3 - 5 %	Eye Dam. 1; H318.
EC No. 223-296-5 CAS 3811-73-2	Pyridine-2-thiol 1-oxide, sodium salt	0.5 - 1 %	Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Aquatic Acute 1; H400.

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

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

General information:	First aider: Pay attention to self-protection!
In case of inhalation:	Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact:	Take off immediately all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. 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. Subsequently seek the immediate attention of an ophthalmologist.



After swallowing: Induce vomiting when the affected person is not unconscious. Immediately get medical attention.  
Never give anything by mouth to an unconscious person.

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

Harmful if swallowed. Causes serious eye damage.

#### **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, extinguishing powder, foam

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: Ammonia (NH<sub>3</sub>), nitrogen oxides (NO<sub>x</sub>), formaldehyde, carbon monoxide and carbon dioxide.

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Additional information: Hazchem-Code: -

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**

Keep public away from danger area. Keep upwind.

Provide adequate ventilation. Do not breathe vapour/aerosol.

Avoid contact with skin and eyes.

Wear appropriate protective equipment.

#### **6.2 Environmental precautions**

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

If necessary notify appropriate authorities.

#### **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.

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.

Do not breathe vapour/aerosol. Avoid contact with the substance.

Wear appropriate protective equipment.

Precautions against fire and explosion:

Product is not readily flammable.

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

Requirements for storerooms and containers:

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

Hints on joint storage:

Keep away from acids, alkalis and oxidizing agents.

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

Make sure there is sufficient air exchange and / or that working rooms are air suctioned.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection: Protective gloves according to EN 374.  
Glove material: Rubber or Plastic  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Light protective clothing, boots.

General protection and hygiene measures:

When using do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

Work place should be equipped with a shower and an eye rinsing apparatus.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Form: liquid Colour: yellow
Odour:	characteristic
Odour threshold:	No data available
pH value:	at 100%: $\geq 11$ at 20 °C, 1%: 10.75
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	100 - 150 °C
Flash point/flash point range:	not applicable
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.04 g/mL
Water solubility:	at 20 °C: complete soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	$> 175$ °C
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

**9.2 Other information**Drop point/drop range:  $> 0$  °C**SECTION 10: Stability and reactivity****10.1 Reactivity**

Corrosive against metals.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4 Conditions to avoid**

Keep away from heat sources, sparks and open flames.

**10.5 Incompatible materials**

Acids, alkalis, oxidizing agents



## 10.6 Hazardous decomposition products

In case of fire may be liberated: Ammonia (NH<sub>3</sub>), nitrogen oxides (NO<sub>x</sub>), formaldehyde, carbon monoxide and carbon dioxide.

Thermal decomposition: > 175 °C

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Acute Tox. 4; H302 = Harmful if swallowed.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
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): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Other information: A corrosive effect cannot be ruled out because of the pH value.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic organisms.

### 12.2 Persistence and degradability

Further details: Product is partially biodegradable.

Effects in sewage plants: Depending on local conditions and existing concentrations, in the case of discharge in biological sewage plants, problems in the decomposition activity of activated sludge are possible.

### 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 penetrate into soil, waterbodies or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 10 01\* = Aqueous liquid wastes containing hazardous substances  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

#### Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## 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**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:

H302 = Harmful if swallowed.  
H312 = Harmful in contact with skin.  
H315 = Causes skin irritation.  
H318 = Causes serious eye damage.  
H319 = Causes serious eye irritation.  
H332 = Harmful if inhaled.  
H400 = Very toxic to aquatic life.Reason of change: Changes in section 2: Labelling (P-phrases: EU, ATP 8)  
Date of first version: 24/6/2004**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.