

## 01. Identification of Product and Company

Product name: RAPICIDE® High Level Disinfectant and Sterilant  
Article numbers: ML02-0059  
Application: Disinfection liquid  
Company name: Minntech BV  
Sourethweg 11  
6422 PC HEERLEN  
The Netherlands  
Phone: +31-45-5471471  
Fax: +31-45-5429695  
E-mail: [info@minntechbv.com](mailto:info@minntechbv.com)  
Home page: [www.minntech.com](http://www.minntech.com)  
Emergency Number: CHEMTREC +1-703-527-3887

## 02. Composition/Information on Ingredients

Component	EINECS	CAS	Amount w/w [%]	Symbol / R-Phrase
Glutaraldehyde	203-856-5	111-30-8	2.5	Xn / R 20/22-37/38-41-42/43

### 03. Hazards Identification

Irritating to eyes, respiratory system and skin, prolonged exposure might cause a sensitization.

### 04. First Aid Measures

#### General

If clothing is contaminated, remove clothing, and wash clothing before reusing.

#### Eyes and skin

Flush immediately with excess water for at least 15 minutes. Seek medical attention if necessary.

#### Ingestion

Drink large amounts of water. Do not induce vomiting.

#### Inhalation

Move to fresh air and breathe deeply

### 05. Fire Fighting Measures

#### Extinguishing Media

Water spray / Foam / CO<sub>2</sub> / dry chemicals

#### Extinguishing Media to Avoid

None known.

#### Exposure Risks from Combustion

##### Product / Gases

Danger of developing toxic pyrolyse products.

#### Special Equipment for Firefighters

Protect the respiratory ways. Use visors and gloves.

### Additional Measures

Cool risky containers with water spray, contaminated water shall be disposed according to local laws and requirements.

### 06. Accidental Release Measures

#### Personal Precautions

Put on eye protection, protective gloves, boots, clothing and a respirator if air contamination is above the permitted levels. Arrange sufficient ventilation of air. People should move away from any vapors in the contaminated area.

#### Environmental Precautions

In case of accidental spillage, contain the spill and dilute with water.

#### If allowed by local legislation:

Flush spill to the sewer. Do not reuse the liquid material.

### 07. Handling and Storage

#### Handling

Keep container closed. Do not transfer product from original container and once the product has been removed, do not return to the original container. Exhaust required at point of use.

#### Fire- and Explosion

None, does not support combustion.

#### Storage

Store in a cool, dry area (below 24°C) away from heating sources. Heating will lead to pressure increase and danger of burst.

### Combined Storage

Do not store with strong bases.

### 08. Exposure Controls/Personal Protection Technical Measurements

Assure sufficient air exhaust and supply of fresh air.

Exposure limits at work place
<b>Component</b> Glutaraldehyde MAK/TLV: 0.05 ppm, 0.21 mg/m <sup>3</sup> , DFG 2005
MAK = maximum work place concentration TLV = Threshold Limit Value

### Respiratory protection

If air contamination is above the permitted levels, use a mask for glutaraldehyde, filter B.

### Hand protection

Protective gloves (e.g. Nitrile or Latex). Refer to glove manufacturer specifications for compatibility.

### Eye protection

Safety glasses or goggles. A face shield should be worn when splashes are likely.

### Skin protection

Protective apron should be worn when splashes are likely. Appropriate boots should be used for spill response.

### General Measurements

Avoid contact with eyes and skin. Do not breathe gases / vapors / aerosols.

### Hygienic Measurements

Do not eat, drink, or smoke. Immediately remove contaminated clothing. Wash hands before breaks and at end of shift.

### Limitation and Monitoring of Environmental Emission

Not determined.

### 09. Physical and Chemical Properties

**Physical state:** Liquid  
**Appearance:** Pale Yellow  
**Odor:** Mild but distinctive odor  
**pH:** 6.0 – 7.0  
**Boiling point [°C]:** Not determined  
**Flashing point [°C]:** Not determined  
**Ignition conditions:** Not determined  
**Lower explosion limit:** Not determined  
**Upper explosion limit:** Not determined

**Fire fortifying:** No  
**Vapor pressure at 50°C [kPA]:** Not determined  
**Vapor density [g/ml]:** Not determined  
**Specific gravity (H<sub>2</sub>O) [kg/l]:** 1.01  
**Solubility in water (by weight):** complete  
**Ratio n-Octanol / Water:** Not determined  
**Viscosity:** Not determined  
**Relative vapour density relative to air:** Not determined  
**Evaporation rate:** Not determined  
**Freezing point [°C]:** Not determined  
**Melting point [°C]:** Not determined  
**Self-reactivity:** Not a self reactive substance

### 10. Stability and Reactivity

#### Materials to Avoid

Strong oxidizers and bases.

#### Stability

Product is stable.

#### Conditions to Avoid

Avoid direct sunlight, heat and hot storage (>24°C).

#### Hazardous Decomposition

Do not mix with chlorinated products as this could liberate toxic corrosive chlorine gas.

#### Hazardous Polymerization

Will not occur

### 11. Toxicological Information

#### Acute oral toxicity

#### Effects from Eye Contact

Causes irritation to the eyes.

#### Effects from Skin Contact

Contact with skin can cause irritation and/or an allergic reaction (sensitization).

#### Effects from Inhalation

May be an irritation that causes congestion, shortness of breath, or coughing. Prolonged exposure can cause a sensitization.

#### Effects from Ingestion

May cause irritation to the mouth, throat, and stomach

#### Cancer Related Information ;Glutaraldehyde

NTP: Known: No / Anticipated: No  
IARC: None  
OSHA: No

### Practical experience

None.

### General Remarks

The classification is preformed based on calculations of the preparation guidelines. No toxicological data available.

### 12. Environmental Information

This product is believed to dangerous to environment.

### AOX-indication

No dangerous substances included

### Containment assembly connections according 76/464/EEC

Not applicable

### General Indications

Ecological data of end product is not available.

### 13. Disposal Considerations

#### Product Disposal

Dispose of this product in accordance with all applicable European and Local regulations.

#### Disposal of Bottle and Packaging

Bottles and packaging can be disposed according European and Local regulations.

### 14. Transportation Information

14.1 Classification according to ADR

Not applicable.

14.2 Classification according to IMDG

Not applicable.

14.3 Classification according to IATA

Not applicable.

### 15. Regulatory Information

**Symbol(s):** Xi: Irritant

### Risk Phrases

R 20/22: Harmful by inhalation and if swallowed.

R 37/38: Irritating to respiratory system and skin.

R 41: Risk of serious damage to eyes.

R 42/43: May cause sensitization by inhalation and skin contact.

### Safety Phrases

S1/2: Keep locked up and out of the reach of children.

S26: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves

and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid Release to the release to the environment.

### National Legislation

Follow all relevant national laws or other national relevant measures

### 16. Other information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated in this document and may not be valid if this product is used in combination with any other materials or processes, unless specified in the text.

### Guidelines

- 2001/58/EC
- 67/548/EEC
- 1999/45/EC
- 91/689/EEC
- 89/542/EEC
- ADR (2003)
- IMDG-Code (30. Admit.)
- IATA-DGR (2003)