

Product Name	RXSOL-19-1210-050
Product Type	Mono Ethylene Glycol- 50 L

Company Details:

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Chemical Name

CAS Number

EC Number

Index Number

ethanediol

107-21-1

203-473-3

603-027-00-1

Hazard description:

Information concerning particular hazards for human and environment: R 22 Harmful if swallowed.

### **General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

### **After inhalation**

Supply fresh air; consult doctor in case of complaints.

### **After skin contact**

Generally the product does not irritate the skin.

### **After eye contact**

Rinse opened eye for several minutes under running water.

### **After swallowing**

Call for a doctor immediately.

**Suitable extinguishing agents**

Use fire extinguishing methods suitable to surrounding conditions.

**Protective equipment**

No special measures required.

**Person-related safety precautions:** Not required.

**• Measures for environmental protection:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**• Measures for cleaning/collecting:**

Dilute with plenty of water.

Dispose contaminated material as waste according to item 13.

**Handling:**

Information for safe handling: No specific requirement

Information about fire - and explosion protection: No special measures required.

**Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

**Additional information about design of technical facilities:** No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

107-21-1 ethanediol

TLV (USA)

IOELV (EU)

WEL (Great Britain)

Short-term value: C 100 mg/m<sup>3</sup>

H

Short-term value: 104 mg/m<sup>3</sup>, 40 ppm

Long-term value: 52 mg/m<sup>3</sup>, 20 ppm

Skin

Short-term value: 104\*\* mg/m<sup>3</sup>, 40\*\* ppm

Long-term value: 10\* 52\*\* mg/m<sup>3</sup>, 20\*\* ppm

Sk \*particulate \*\*vapour

**Additional information:** The lists valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling

#### **General Information:**

Form

Fluid

Colour

Colourless

Odour

Sweetish

**Change in condition:**

Meltingpoint/Melting range

12.4°C

Boiling point/Boiling range

197°C

Flash point

111°C

Ignition temperature

410°C

Danger of explosion		Product does not present an explosion hazard.				<b>Explosion limits:</b>	Lower	3.2 Vol %
Upper	53 Vol %	Vapour pressure at 20°C	0.08 hPa	Density at 20°C	1.11 g/cm³	<b>Solubility in / Miscibility</b>		
<b>with:</b>	water at 20°C	1 g/l	Viscosity	Dynamic at 20°C	21 mPas			

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

**Acute toxicity:**

<b>LD/LC50 values relevant for classification:</b>				Oral	LD50	5840 mg/kg (rat)	Dermal	LD50	9530 mg/kg
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(rabbit)	<b>Primary irritant effect:</b>	on the skin	No irritant effect.	on the eye	No irritating effect.	Sensitization
	No sensitizing effects known					

**General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Product:**

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

Land transport ADR/RID (cross-border)

ADR/RID class: - Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

**Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**• Code letter and hazard designation of product:**

Xn Harmful

**• Risk phrases:**

22 Harmful if swallowed.

**• Safety phrases:**

2 Keep out of the reach of children.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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