

Product Name	RXSOL-19-1564-210
Product Type	Ethyl Glycol

Company Details:

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Chemical Name

CAS Number

EC Number

Index number

2-ethoxyethanol

110-80-5

203-804-1

603-012-00-X

**Hazard description:**

Information concerning particular hazards for human and environment:

R 60 May impair fertility.

R 61 May cause harm to the unborn child.

R 10 Flammable.

R 20/21/22 Also harmful by inhalation, in contact with skin and 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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

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:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: Mouth respiratory protective device.

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

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. Ensure adequate ventilation.

**Handling:****Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

**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: Keep container tightly sealed.

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

**Ingredients with limit values that require monitoring at the workplace:**

110-80-5 2-ethoxyethanol

PEL (USA)

REL (USA)

TLV (USA)

WEL (Great Britain)

740 mg/m<sup>3</sup>, 200 ppm

Skin

1.8 mg/m<sup>3</sup>, 0.5 ppm

Skin

18 mg/m<sup>3</sup>, 5 ppm

Skin; BEI

37 mg/m<sup>3</sup>, 10 ppm

Sk

**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. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**Protective gloves 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:** Tightly sealed goggles

General Information

Form

Fluid

Colour

Colourless

Odour

Ether-like

Change in condition

Melting point/Melting range

-100°C

Boiling point/Boiling range

135°C

Flash point

40°C

Ignition temperature      235°C

Danger of explosion

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

<b>Explosion limits:</b>	Lower	1.8 Vol %	Upper	15.7 Vol %	Vapour pressure at 20°C	ca.5 hPa
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Density at 20°C	0.93 g/cm³	Solubility in / Miscibility with water	Fully miscible.	<b>Viscosity:</b>	Dynamic at 20°C
2.07 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: **LD/LC50 values relevant for classification:**

Oral

Dermal

Inhalative

LD50

LC50/4 h

LC50/4 h

3000 mg/kg (rat)

3300 mg/kg (rabbit)

2000 mg/l (rat)

Primary irritant effect:	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		3 Flammable liquids.		Danger code (Kemler)			
30	UN-Number		1171	Packaging group		III	Hazard label		3	Description of	
goods	1171 ETHYLENE GLYCOL MONOETHYL ETHER			Maritime transport IMDG			IMDG Class		3		
	UN Number		1171	Label		3	Packaging group		III	EMS Number	F-E,S-D
and IATA-DGR	Marine pollutant		No	Proper shipping name		ETHYLENE GLYCOL MONOETHYL ETHER			Air transport ICAO-TI		
	ICAO/IATA Class			3	UN/ID Number		1171	Label		3	
	Packaging group		III	Proper shipping name		ETHYLENE GLYCOL MONOETHYL ETHER					

**Labelling according to EU guidelines:**

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

**• Risk phrases:**

- 60 May impair fertility.
- 61 May cause harm to the unborn child.
- 10 Flammable.
- 20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.

**• Safety phrases:**

- 53 Avoid exposure - obtain special instructions before use.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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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