Material Safety Data Sheet

ETHYLENE GLYCOL (RXSOL-19-1182-210)

1. Product and Company Identifaction

Product Name	RXSOL-19-1182-210
Product Type	Di-ethylene glycol(Ethane 1-2 Diol)

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	Molecular Formula	CAS Number	EC Number	Classification DSD	Purity
Ethylene Glycol OR Ethanediol 99.9%	C2H6O2	107-21-1	203-473-3	Xn, R22, R48/22	99.9%

3. Hazards Identification

Hazard description: Not applicable.
Information concerning particular hazards for human and environment: H302 Harmful if swallowed, H373 May cause damage to organs (kidney) through prolonged or repeated exposure .

4. First Aid Measures

General information	No special measures required.
After inhalation	Supply fresh air; consult the 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	If symptoms persist consult the doctor.

5. Fire-fighting Measures

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions: Not required.
Measures for environmental protection: No special measures required.
Measures for cleaning/collecting: None
Additional information: No dangerous substances are released.

7. Handling and Storage

Information for safe handling:
Handling: Information for safe handling: No special 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.
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.

8. Exposure controls and personal protection

Additional information about the design of technical facilities: No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace: Not required.
Additional information: The lists valid during the making were used as the basis.
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
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: Not required

9. Physical and chemical properties

General Information:

Form	Fluid / Liquid
Colour	Colourless - Clear
Odour	Characteristic Almost Odourless - slightly Sweetish

Change in condition:

Melting point/Melting range	-13 °C
pH	8 - 8.5
Boiling point/Boiling range	197°C
Flash point	Not applicable.

Danger of explosion	Product does not present an explosion hazard.
Ignition Temperature	410°C
Density	1.1135 g/cm3
Solubility in / Miscibility with water at 20°C	Fully miscible. g/l (Fully miscible.)

Danger of explosion products : Does not present an explosion hazard.

10. Stability and reactivity

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.

11. Toxicological information

Acute toxicity:	ATE: 545.66 mg/kg
Primary irritant effect:	
on the skin	No irritant effect.
on the eye	No irritating effect.
Sensitization	No sensitizing effects are known.

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. Harmful if swallowed.

The substance is not subject to classification according to the latest version of the EU lists.

12. Ecological information

General notes: Ethane-1,2-Diol is Readily Biodegradable. Its Biodegradability - Biodegradation is 90 - 100 Day.

13. Disposal considerations

Product: Recommendation Smaller quantities can be disposed of with household waste.
Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transport information

Land transport ADR/RID (cross-border) ADR/RID class: - Not Applicable

Maritime transport IMDG: IMDG Class: - Not applicable
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: - Not applicable
Not Classified as dangerous good for Transport

15. Regulatory information

Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals.
The substance is not subject to classification according to EU lists and other sources of literature known to us.

• Risk phrases: 22 Harmful if swallowed.
• Safety phrases: 2 Keep out of the reach of children.

16. Other information

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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