# Material Safety Data Sheet

**Premix Ethylene Glycol** (RXSOL-41-1210-220)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | RXSOL-41-1210-0220 |
| Product Type | Premix Ethylene Glycol |

**Company Details:**

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point ::: Mumbai, Kandla, Chennai, Kolkata, Visakhapatnam, Fujairah - UAE, Bakra - Oman

| | |
|---|---|
| Phone | +91 22 27815541 / 42 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |


## 2. Composition / informationon ingredients

| Chemical Name | CAS Number | EC Number | Index Number | % Ratio |
|---|---|---|---|---|
| Ethanediol | 107-21-1 | 203-473-3 | 603-027-00-1 | 20 |
| DI Water Demineralized | | | | 80 |

## 3. Hazards Identification

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

## 4. First Aid Measures

| | |
|---|---|
| **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. |

## 5. Fire-fighting Measures

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|---|---|
| **Suitable extinguishing agents** | Use fire extinguishing methods suitable to surrounding conditions. |

| | |
|---|---|
| **Protective equipment** | No special measures required. |

## 6. Accidental Release Measures

**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.

## 7. Handling and Storage

**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.

## 8. Exposure controls and personal protection

***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) | Short-term value: C 100 mg/m³<br>H |
| IOELV (EU) | Short-term value: 104 mg/m³, 40 ppm<br>Long-term value: 52 mg/m³, 20 ppm<br>Skin |
| WEL (Great Britain) | Short-term value: 104** mg/m³, 40** ppm<br>Long-term value: 10* 52** mg/m³, 20** ppm<br>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

## 9. Physical and chemical properties

**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. |

**Explosion limits:**

| | |
|---|---|
| Lower | 3.2 Vol % |
| Upper | 53 Vol % |
| Vapour pressure at 20°C | 0.08 hPa |
| Density at 20°C | 1.001 g/cm³ |
| Viscosity | As water |
| Dynamic at 20°C | 21 mPas |

## 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:**

**LD/LC50 values relevant for classification:**

| | | |
|---|---|---|
| Oral | LD50 | 5840 mg/kg (rat) |
| Dermal | LD50 | 9530 mg/kg (rabbit) |

**Primary irritant effect:**

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|---|---|
| on the skin | No irritant effect. |
| on the eye | No irritating effect. |
| Sensitization | No sensitizing effects known |

## 12. Ecological information

**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.

## 13. Disposal considerations

**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.

## 14. Transport information

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: -

## 15. Regulatory information

**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.

## 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.