## 1. Product and Company Identifaction

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Product Name RXSOL-81-1586-210

Product Type Mono Propylene Glycol MPG Antifreeze Heat Transfer Liquid

Application: Most commonly use as Heat Transfer Liquid and Antifreeze

## **Company Details:**

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

Stock Point: Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat, Canada

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Email <u>mail@rxmarine.com</u>

## 2. Composition / Information on ingredients

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 Chemical Name
 CAS Number
 EC Number
 Percentage

 Propane-1,2-Diol
 57-55-6
 200-338-0
 96

 Sodium 2-Ethylhexanoate
 19766-89-3
 243-283-8
 3-5

### 3. Hazards Identification

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Hazard description: Not applicable.

Information concerning particular hazards for human and environment: Not applicable.

# 4. First Aid Measures

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General information No special measures required.

After inhalation Get medical attention if symptoms occur, Supply fresh air, consult doctor in case of complaints. On priority pass free

rest in a position comfortable for breathing.

After skin contact Generally the product does not irritate the skin. However Flush contaminated skin with plenty of water. Remove contact

and shoes. Get medical attention if symptoms occur.

After eye contact Rinse opened eye for several minutes under running water. Also Continue to rinse for at least 10 minutes. Get

if furhter irritation occurs.

After swallowing If symptoms persist consult doctor.

## 5. Fire-fighting Measures

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Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions. Extinguishing media : :: Use dry chemical, CO?, alcohol-resistant foam or water spray (fog). Suitable extinguishing media

Protective equipment: No special measures required.

## 6. Accidental Release Measures

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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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7. Handling and Storage

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### Handling:

#### 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

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

Ingredients with limit values that require monitoring at the workplace:

57-55-6 propane-1,2-diol

WEEL (USA)  $10 \text{ mg/m}^3$ 

WEL (Great Britain) 474\* 10\*\* mg/m³, 150\* ppm

\*total vapour and particulates \*\*particulates

Additional information: The lists valid during the making were used as 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: Goggles recommended during refilling.

# 9. Physical and chemical properties

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General Information

Form Fluid - Liquid
Colour Colourless
Odour Nearly odourless

Change in condition

Freezing point/Melting range  $-32^{\circ}$ C
Boiling point/Boiling range  $162^{\circ}$ C
Flash point  $>100^{\circ}$ C
Ignition temperature  $371^{\circ}$ C

Danger of explosion Product does not present an explosion hazard.

Explosion limits

Lower 2.6 Vol % Upper 12.6 Vol %

Vapour pressure at 20°C 0.11 hPa
Density at 20°C 1.0362 g/cm³
Solubility in / Miscibility with water Fully miscible.

pH-value (- g/l) 8.8

Viscosity

Dynamic at 25°C 46 mPas

## 10. Stability and reactivity

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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

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Acute toxicity:

LD/LC50 values relevant for classification:

Oral LD50 2000 mg/kg (rat)

Dermal LD50 20800 mg/kg (rabbit)

Primary irritant effect:

on the skin No irritant effect.

on the eye No irritating effect.

Sensitization No sensitizing effects 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. The substance is not subject to classification according to the latest version of the EU lists.

## 12. Ecological information

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**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

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### **Product:**

Recommendation Smaller quantities can be disposed of with household waste.

### Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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

## 14. Transport information

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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

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### 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.

## 16. Other information

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

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