

1. Product and Company Identification

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Product Name : **RXSOL-16-4020-020**
Product Type : **ANTIFREEZING LIQUID**

Company Details:

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

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

Phone : +91 22 27815540 / 41 / 42
Fax : +91 22 2781 1318 :::AOH :0091 9821214367
Email : mail@rxmarine.com

2. Composition / Information on ingredients

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| Chemical Name | Concentration | CAS Number | EC Number | R Phrases* | Sym |
|---|---------------|------------|-----------|------------|------|
| Blend of Glycol, Ethanediol & Corrosion Inhibitor | 50-60 | 107-21-1 | 203-473-3 | R-22 | 603- |
| Di-Sodium Sebacate | 4-5 | 17265-14-4 | 241-300-3 | --- | --- |
| Benzotriazole | 0.25 - 0.30 | 95-14-7 | 202-394-1 | R-43 | --- |

*See Section 16

3. Hazards Identification

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3.1 Substance/Preparation Classification: This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet. Danger Symbols: Xn Phrases R: 22 3.2 Danger Identification HARMFUL IF SWALLOWED

4. First Aid Measures

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Contact with skin Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water.
Contact with eyes If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Ingestion Never give anything by mouth to an unconscious person. Give plenty of water to drink. Seek medical advice if necessary.
Inhalation Vapours or aerosols may cause irritation of eyes, nose and respiratory tract. Remove patient to fresh air.
General In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

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- Carbon oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6. Accidental Release Measures

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| | |
|---------------------------|---|
| Personal Precautions | Wear protective clothing as per section 8. |
| Environmental Precautions | No special precautions are required for this product. |
| Immediate Actions | Shut off source of leak if safe to do so. |
| Clean Up Actions | Absorb spillage in suitable inert material. Flush spill area with copious amounts of water. |
| Special Precautions | Wear protective clothing as per section 8. |

7. Handling and Storage

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| Handling | The usual precautions for handling chemicals should be observed. Eyewash bottles should be available |
| Storage | Keep only in the original container in a cool, well ventilated place (S3/9/49). Protect from frost |

8. Exposure controls and personal protection

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| | |
|--------------------------------|---|
| Exposure Limits | There are no recommended or established controls for this product |
| Exposure controls | No special ventilation is required unless the product is used in a spray form |
| Occupational exposure controls | No respiratory protection is required unless subject to contact with substance mist. Wear suitable protective clothing, eye protection and gloves (plastic or rubber are recommended) |

9. Physical and chemical properties

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|-----------------------------|----------------------------|
| Odour | Slight Alcolic |
| Appearance | Liquid, soluble in water |
| pH | 7.5 at 100 % concentration |
| Boiling point | 150 |
| Vapour density | N.A |
| Melting point | 36iC |
| Completely soluble in water | |
| Specific gravity (water=1) | 1.15 |
| Non combustible | |

10. Stability and reactivity

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The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health. Ethylene glycol may absorb moisture from the atmosphere up to twice its own weight.

11. Toxicological information

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| | |
|-----------------|--|
| Acute effects | ingestion of this product is harmful. Even small amounts of product may cause serious health problems (nausea, sickness, diarrhoea, etc.). This product may slightly irritate mucosas, the upper respiratory tract, Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and |
| Ethylene glycol | following ingestion it initially stimulates the CNS; later on depression results. Renal damage with anuria occur. Symptoms of over exposure are: vomiting, somnolence, difficulty in breathing, convulsions. The let approximately 1.4 l/kg. The route of entry is inhalation and ingestion. |

12. Ecological information

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Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Ethylene glycol is biodegradable

13. Disposal considerations

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Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport information

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This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. Regulatory information

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R-22 HARMFUL IF SWALLOWED Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments. Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. Other information

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R22 HARMFUL IF SWALLOWED.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (Toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition.

Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the Product. This document must not guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

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