

1. Product and Company Identification

www.rxmarine.com

Product Name : **RXSOL-16-4020-020**
Product Type : **ANTIFREEZING LIQUID** , Available in 5, 20, 25, 50 and 210 Ltr pkg

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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.
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

www.rxmarine.com

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

6. Accidental Release Measures

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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 mucosae, the upper respiratory tract. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and vomiting.
Ethylene glycol	following ingestion it initially stimulates the CNS; later on depression results. Renal damage with anuria may occur. Symptoms of over exposure are: vomiting, somnolence, difficulty in breathing, convulsions. The lethal dose is approximately 1.4 l/kg. The route of entry is inhalation and ingestion.

12. Ecological information

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

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

www.rxmarine.com

R22 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

www.rxmarine.com

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, ensure compliance with current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

DISCLAIMER OF LIABILITY : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in connection with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.