

1. Product and Company Identification

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Product Name **RXSOL ANTIFREEZE LIQUID**
Product Type Antifreeze Agent

Company Details:

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2. Composition / Information on ingredients

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CAS Number	EC Number	R Phrases*	Symbols
107-21-1	203-473-3	R-22	

*See Section 16

3. Hazards Identification

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Toxic

3.1 Substance/Preparation Classification This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendment requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environment found in sections 11 and 12 of this sheet.

Danger Symbols: Xn

Phrases R: 22

3.2 Danger Identification

4. First Aid Measures

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Contact with skin	Remove contaminated clothing immediately and drench affected skin with water. Then wash with soap and water
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for 15 minutes Seek medical advice
Ingestion	Never give anything by mouth to an unconscious person Give plenty of water to drink
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

5. Fire-fighting Measures

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- Non combustible
- 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)

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

Occupational exposure controls

No respiratory protection is required unless subject to contact with su

Wear suitable protective clothing, including eye/face protection and g
rubber are recommended)



Goggles Respirator

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 -NA

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 harmful 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 (stomach pain, nausea, sickness, diarrhoea). The product may slightly irritate mucosae, the upper respiratory tract.

may include

Exposure symptoms
sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness.

Ethylene glycol

Following ingestion it initially stimulates the CNS; later on depression of the CNS. Renal damage with anuria and uremia may occur. Symptoms of acute poisoning are: vomiting, somnolence, difficulty in breathing, convulsions. The LD50 in man is 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 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 incineration, 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 handling 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

Regulation 1999/45/CE and following amendments;

Regulation 67/548/CEE and following amendments and adjustments (including adjustment XXVIII);

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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);

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