

## 1. Product and Company Identifaction

[www.rxmarine.com](http://www.rxmarine.com)

Product Name : Coolant Green RXSOL G 93-94  
Product Type : COOLANT CONCENTRATE

### Company Details:

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

**Stock Points:** Mumbai, Kandla, Chennai, Kolkata, Vishakhapatnam, Fujairah, Muscat, Kenya, Canada

Phone : +91 22 65113333 / 5555 / 9999  
Fax : +91 22 2781 1318+91 22 2781 1318 ::AOH :0091 9821214367  
Email : [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

[www.rxmarine.com](http://www.rxmarine.com)

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbol
Ethlene Glycol	30-35%	107-21-1	203-473-3	R-22	603-
Potassium 2-Ethylhexanoate	15-20%	3164-85-0	221-625-7	R-63	
BenzoTriazole	1- 10%	1310-58-3	215-181-3		

\*See Section 16

## 3. Hazards Identification

[www.rxmarine.com](http://www.rxmarine.com)

Harmful if swallowed.

Possible risk of harm to the unborn child.

## 4. First Aid Measures

[www.rxmarine.com](http://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 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

[www.rxmarine.com](http://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](http://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 the source of leak if safe to do so.
Clean Up Actions	Absorb spillage in the 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](http://www.rxmarine.com)

Handling  
Storage

The usual precautions for handling chemicals should be observed. Eyewash bottles should be available  
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](http://www.rxmarine.com)

Exposure Limits

TWA value 52 mg/m<sup>3</sup> ; 20 ppm (OEL (EU))

STEL value 104 mg/m<sup>3</sup> ; 40 ppm (OEL (EU))

Skin Designation (OEL (EU))

The substance can be absorbed through the skin.

TWA value 10 mg/m<sup>3</sup> (EH40 (UK))

TWA value 52 mg/m<sup>3</sup> ; 20 ppm (EH40 (UK))

STEL value 104 mg/m<sup>3</sup> ; 40 ppm (EH40 (UK))

Skin Designation (EH40 (UK))

The substance can be absorbed through the skin.

Skin Designation (EH40 (UK))

The substance can be absorbed through the skin.

Exposure controls

Personal protective equipment:

Respiratory protection: Suitable respiratory protection for higher concentrations or long-term effect: Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

Hand protection:

Chemical resistant protective gloves (EN 374) Suitable materials short-term contact and/or splashes (recommended: A index 2, corresponding > 30 minutes of permeation time according to EN 374) butyl rubber (butyl) - 0.7 mm coating thickness. Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical chemical-protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374. Manufacturer's directions for use should be observed bearing in mind the diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-resistant clothing (according to DIN-EN 465).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

Occupational exposure controls

No respiratory protection is required unless subject to contact with substance mist. Wear suitable protective clothing, including gloves. Protection and gloves (plastic or rubber are recommended)

## 9. Physical and chemical properties

[www.rxmarine.com](http://www.rxmarine.com)

Odour

Specific

Appearance

Green Color, Liquid, soluble in water

pH

9.50 at 100 % concentration

Boiling point

NA

Vapour density

N.A

Melting point

36iC

Completely soluble in water

Specific gravity (water=1)

1.10 - 1.15

## 10. Stability and reactivity

[www.rxmarine.com](http://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](http://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 mucosas, 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 and uremia. 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](http://www.rxmarine.com)

### Ecotoxicity

#### Toxicity to fish:

Leuciscus idus/LC50 (96 h): > 100 mg/l

#### Microorganisms/Effect on activated sludge:

Pseudomonas putida/EC10: > 100 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

#### Persistence and degradability

#### Elimination information

Test method: OECD 302B; ISO 9888; 88/302/EEC, part C

Method of analysis: DOC reduction

Degree of elimination: > 70 %

Evaluation: Easily eliminated from water.

#### Other adverse effects

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

#### Additional information

Other ecotoxicological advice:

Do not release untreated into natural waters.

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](http://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](http://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](http://www.rxmarine.com)

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. R63 Possible risk of harm to the unborn child. S2 Keep out of the reach of children. S36/37 Wear suitable protective clothing and gloves.

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2: Xn Harmful. 22 Harmful if swallowed. 63 Possible risk of harm to the unborn child. Vertical lines in the left hand margin indicate an amendment from the previous version. If you have any queries relating to this MSDS, its contents or any safety related questions, please write to the following e-mail address:[mail@rxmarine.com/](mailto:mail@rxmarine.com/).

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. They do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be inferred from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

**DISCLAIMER OF LIABILITY :**The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided "as is" 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 are not within our 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.