

## 1. Product and Company Identification

www.rxmarine.com

Product Name **RXSOL-62-5505-002**  
Product Type **Total Hardness Test Kit**

### Company Details:

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

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

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## 2. Composition / Information on ingredients

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Total Hardness Test Kit is used for determination of total hardness in water samples. The kit contains chemical reagents filled in plastic bottles along with required accessories packed in a plastic box and outer PP bag. Main reagent ingredients include water, sodium chloride, monoethanolamine and EDTA disodium salt.

Water	CAS No. 7732-18-5, approximately 75%
Sodium Chloride	CAS No. 7647-14-5, approximately 25%
Monoethanolamine	CAS No. 141-43-5, approximately 2%
EDTA, Disodium Salt	CAS No. 6381-92-6, approximately 1%

## 3. Hazards Identification

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Environmental Hazards No significant environmental hazard known under normal use.  
Human Health Hazards May cause irritation to eyes, skin and respiratory tract.  
Product is considered non-hazardous, non-toxic and non-flammable under normal conditions of use.

## 4. First Aid Measures

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Inhalation	Remove subject to fresh air. Obtain medical attention if symptoms persist.
Skin Contact	Wash affected skin with soap and cold water. Obtain medical attention if irritation continues.
Eye Contact	Wash eyes with large amount of water for at least 15 minutes and obtain immediate medical attention.
Ingestion	Dilute by drinking plenty of water and obtain immediate medical attention.

## 5. Fire-fighting Measures

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Suitable extinguishing media	Use extinguishing media suitable for surrounding fire.
Unsuitable extinguishing media	No data available.
Special hazards arising from the substance or mixture	Product is non-flammable.
Further information	Since product is not inflammable, no special firefighting measures are required.
Hazardous combustion products	No data available.
Advice for firefighters	Use standard firefighting procedures suitable for surrounding materials.
Protective Equipment	Wear suitable protective equipment if required.
Specific Hazards Arising from the Chemical	Non-flammable item.

## 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures  
Spillage  
Personal Protection  
Environmental Precaution  
Methods and materials for containment and cleaning  
Reference to other sections

Avoid breathing vapours and avoid skin contact.  
Absorb spill with suitable material and wash area with water.  
Use gloves, apron and face shield when handling reagents.  
Avoid unnecessary discharge into drains or environment.  
Collect material safely and dispose according to local regulations.  
For disposal see section 13.

## 7. Handling and Storage

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Advice on protection against fire and explosion  
Hygiene measures  
Advice on safe handling  
Conditions for safe storage, including any incompatibilities  
  
Storage conditions  
Storage class  
Specific end use(s)  
Advice on general occupational hygiene

No special precautions required. Product is non-flammable.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin and eyes. Avoid breathing vapours.  
Store at room temperature, protected from heat and sunlight. Do not refrigerate or freeze.  
Keep container tightly closed when not in use.  
Non-hazardous chemical test kit.  
Determination of total hardness in water.  
Wash hands after handling. Use only with adequate ventilation.

## 8. Exposure controls and personal protection

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Exposure controls  
Control parameters  
Eye/face protection  
Body Protection  
Skin protection  
Respiratory protection  
Other Protection Measure  
Control of environmental exposure

Use personal protective equipment.  
No occupational exposure limits available.  
Use safety goggles or face shield.  
Use protective apron.  
Use suitable hand gloves.  
Maintain good ventilation while using the product.  
Handle according to good laboratory practice.  
Avoid release into environment.

## 9. Physical and chemical properties

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Product Properties	
Appearance	Liquid reagents supplied in plastic bottles
Flash Point	None
Flammability	Non-flammable item
Solubility	Soluble in water
Application	Determination of total hardness in water samples

## 10. Stability and reactivity

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Reactivity  
Chemical stability  
Possibility of hazardous reactions  
Conditions to avoid  
Incompatible materials  
Hazardous decomposition products

No data available.  
Stable under normal storage conditions.  
Hazardous polymerization will not occur.  
Excessive heat, direct sunlight, refrigeration and freezing.  
No data available.  
No data available.

## 11. Toxicological information

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Acute toxicity	Product is considered non-toxic at intended use level.
Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/irritation	May cause eye irritation.
Respiratory or skin sensitization	Vapours may irritate nose, throat and respiratory tract in poorly ventilated areas.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Additional Information	No specific toxicological tests have been carried out on the finished product.

## 12. Ecological information

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Persistence and degradability	No data available.
Toxicity to fish	No data available.
Toxicity to daphnia and other aquatic invertebrates	No data available.
Toxicity	No data available.
Toxicity to bacteria	No data available.
Toxicity to algae	No data available.
potential Bioaccumulative	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.
Endocrine disrupting properties	No data available.
Other adverse effects	No data available.

## 13. Disposal considerations

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Product	Dispose according to local regulations.
Contaminated packaging	Dispose according to local regulations.
Waste treatment Method	Follow local guidelines/regulations regarding proper disposal of this material.

## 14. Transport information

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UN number	ADR/RID: Not regulated IMDG: Not regulated IATA: Not regulated
UN proper shipping name	Not dangerous goods.
Transport hazard class(es)	Not regulated.
Packaging group	Not regulated.
Environmental hazards	No.
Special precautions for user	No data available.
Further information	Non Dangerous / Non Hazardous / Non Toxic / Non Flammable / Not Regulated as per IATA / IMDG.

## 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the	Consult state and local regulatory authorities.
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substance or mixture	
Authorisations and/or restrictions on use	No data available.
National legislation	No data available.
Other regulations	No data available.
Chemical Safety Assessment	No chemical safety assessment has been carried out.

## 16. Other information

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Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, no warranty of merchantability or any other warranty, express or implied, is made with respect to such information. Users should make their own investigations to determine the suitability of the information for their particular purposes.
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