Material Safety Data Sheet

Drinking Water Disinfectant Food Grade (RXSOL-33-4237-025)

1. Product and Company Identifaction

Product Name	: Drinking Water Disinfectant Food Grade
Part Number	: RXSOL-33-4237-025

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

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EINECS No	Wt.%	Symbol
Non Hazardous Ingredient	Proprietory Blend	.....	95-100%	....

3. Hazards Identification

	Classification according to Directive 67/548/EEC or 1999/45
Signal Word	Warning
Hazard Statements	H315: Causes skin irritation. H318: Causes serious eye damage. H400: Toxic to aquatic life.
Precautionary statements - prevention	Keep only in original container. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection..
Precautionary statements - response	P102: Keep out of reach of children. P403/P235: Store in a well ventilated area / cool place. P273: Avoid release to the environment. P280: Wear protective gloves / protective clothing / eye / face protection. P302 + P352: IF ON SKIN: Wash with soap and water. P332 + P313: If skin irritation occure:get medical advice/attention. P362 Take off contaminated clothing and wash before reuse P305 + P351: IF IN EYES: Rinse with water for continuously P338 several minutes, remove contact lenses if present and easy to do continuous rinsing.

4. First Aid Measures

General	In all cases of doubt, or when symptoms persists, seek medical attention
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation:	N.A
Ingestion:	Only when conscious, rinse mouth, give plenty of water to drink (approx. 500 ml.). Do not induce vomiting. Seek medical attention.
Notes to Physicians	Treat symptomatically.

5. Fire-fighting Measures

Flamibility	Non Fammable
Suitable extinguishing media	All Media
Protective Equipment	Use personal protective equipment.
Hazardous combustionproducts	In contact with heavy metals, their compounds and their alloys, sodium hypochlorite decomposes under the development of oxygen
Advice for firefighters	Wear self-contained breathing apparatus. Wear full protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use as a normally.
Enviromental Precaution	Do not allow contact with soil, surface or ground water.If the products get into drains, inform the relevant authorities immediately.
Methods and materials for containment and cleaning up	Collect as much as possible in a clean container for re-use or disposal. Rinse remaining chemical with plenty of water.

7. Handling and Storage

Advice on safe handling	The usual precautions for handling chemicals should be observed
Storage	Do not store with acids, reducing agents and flammable substances. Store in a dry well ventilated place away from sources of heat and directs sunlight.
Fire & explosion prevention:	Keep away from combustible material.

8. Exposure controls and personal protection

Engineering Control	Effective exhaust ventilation system. .
Personal Protection	Skin protection:The usual precautions for handling chemicals should be observed Eye protection: The usual precautions for handling chemicals should be observed Inhalation protection:The usual precautions for handling chemicals should be observed Hand protection:Wear suitable protective gloves. (PVC or rubber recommended) Other protection information:Keep locked up and out of reach for children Other protection information:The usual precautions for handling chemicals should be observed
Exposure Limits:	No exposure limit has been established
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. Physical and chemical properties

Form	Liquid
Colour	Yellow (transparent)
Odour	Mild irritating
Boiling point and boiling range	Not relevant (Decomposition under effect of heating)
Flash Point	No Data Available
Freezing Point	No Data Available
pH	Not Determine
Evaporation rate	No data available
Oxidizing properties	Oxidizing agent producing free radicals at room/elevated temperatures or by catalytic agent
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	Not determined
Relative vapor density	No data available
Relative density	1.06-1.07 g/cm3 (20°C)
Water solubility	100% Soluble
Solubility in other solvents	No data available
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Molecular weight	No data available
VOC	No data available

10. Stability and reactivity

Recativity	None
Stability	Decomposition starts at 10 °C
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Incompatible materials	Avoid to contact with strong acids
Hazardous Decomposition	Contact with heavy metals, their compounds and their alloys. Sodium hypochlorite decomposes under the development of oxygen.
Condition to Avoid	Strong acids Reducing agents Combustible substances Protect against heat and direct sunlight
Polymerization	Will not occur.

11. Toxicological information

Route of Exposure	Inhalation, Eye contact, Skin contact
Eyes	Severely irritating
Skin	Irritating to skin
Ingestion	Irritating for mouth, throat, stomach and intestines
Inhalation	LC50: Rat: >10.5 mg/kg bw
Respiratory	Irritating to respiratory system

Acute oral toxicity	Oral LD50: Rat: >10000 mg/kg bw
Acute inhalation toxicity	No data available
Toxicity data:	Skin LD50: Rabbit: >5000 mg/kg bw
Classification	The classification was made by the conventional (calculation) method of Dangerous Preparations Directive 67/548/EEC or 1999/45

12. Ecological information

Environmental behavior:	Rxsol is based on a special formula with an additive ingredient sodium hypochlorite of 5% : No experimental ecological data available
Mobility in earth:	Decomposes
Ecological toxicity:	Fish: Acute toxicity, 96h-LC50: 6 - 32mg/l Daphnia: Acute toxicity, 96h-IC50: 2.1mg/l Plankton: Acute toxicity, 48h-LC50: 0,4mg/l

13. Disposal considerations

Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
Waste Disposal	Waste disposal accordance with local regulations

14. Transport information

UN Number	UN 3082
Proper shipping name	Substances Liquid, N.O.S. (sodium hypochlorite5%)
Transport hazard class(es) 8	
ADR/RID	9
Subsidiary risk IMDG	9
Subsidiary risk IATA	9
Packing group	
Packing group	III
Environmental hazards	
Environmental hazards	No
Marine pollutant	Yes
ADR/RID	
Hazard ID	80
Tunnel Category	(E)
IMDG	
EmS Code	NA

The regulations above are valid on the revision date of this Material Safety Data Sheet. Due to possible changes in transport regulations for dangerous materials, we advise you to confirm the validity with your own transport organization.

15. Regulatory information

Regulations	In accordance with REACH Regulation (EC) No 1907/2006 as last amended with respect to SDS provisions by Commission Regulation (EU) 2015/830.Classification according to Directive 67/548/EEC or 1999/45

R(isk) phrase(s):	R38: Irritating to skin. R41: Risk of serious eye damage R50: Very toxic to aquatic organisms
S(afety) phrase(s):	S2: Keep out of reach of children. S3/7/9: Keep container tightly closed in a cool, well ventilated place. S24/25: Avoid contact with skin and eyes. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any 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 may be beyond 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 any way connected 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.