

1. Product and Company Identification

www.rxmarine.com

Product Name
Part Number

Chlorinated Detergent
RXSOL-12-1215-025

Company Details:

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

Phone +91 22 27815540 / 41 / 42
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email 123@rxmarine.com
Website www.rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Name of Substance	Cas Number
Sodium Metasilicate	10213-79-3
Sodium Hypochlorite	7681-52-9
Sodium Hydroxide	1310-73-2
Surfactant	Proprietary

3. Hazards Identification

www.rxmarine.com

Hazard Statements

Causes severe skin burns and serious eye damage.
May be corrosive to metals.

Precautionary statements prevention

P280 Wear protective gloves/ protective clothing/ eye protection

Precautionary statements response

Do not breathe dust or mist. P260. Wash skin thoroughly with soap and water. P280. IF SWALLOWED: Do not vomit. P301 + P330 + P331 .IF ON SKIN (or hair): Wash with plenty of water. P303 + P361 + P353. Remove contaminated clothing and keep comfortable for breathing. P304 + P340. IF IN EYES: Rinse cautiously with water for several minutes. P305 + P351 + P338. Hold eyelids open. Rinse. P305 + P351 + P338. Immediately call a POISON CENTRE. P310 See general instructions (section 4). P321 Store locked up. P405

4. First Aid Measures

www.rxmarine.com

Eye Contact

Rinse immediately with plenty of water, also under the eyelids. If irritation persists, seek medical attention is required

Skin Contact

In case of contact, immediately flushes skin with plenty of water. Remove contaminated clothing and shoes. Cover the affected area with a clean, dry cloth. May be used. Wash clothing before reuse. Thoroughly wash affected area. Seek medical attention.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If symptoms occur.

Ingestion:

Do not induce vomiting. Obtain medical attention. If vomited, do not induce vomiting. If vomited, on left side (head-down position, if possible) to maintain airway.

Notes to Physician

Treat symptomatically

5. Fire-fighting Measures

www.rxmarine.com

Flammability	Non flammable.
Flash Point	No information available.
Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Dry chemical. Chemical foam.
Hazardous combustion products	Thermal decomposition can lead to release of irritating gases and vapours.
Protective Equipment	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising from the Chemical	Not combustible. Ambient fire may liberate hazardous vapours.

6. Accidental Release Measures

www.rxmarine.com

Spillage	Use appropriate tools to put the spilled solid in a convenient container and dilute with water.
Personal Protection	Avoid contact with skin, eyes or clothing. Use personal protective equipment.
Environmental Precaution	Do not rinse spill onto the ground, into storm sewers or other waterways.
Methods and materials for containment and cleaning	Prevent further leakage or spillage if safe to do so. Use non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth) to absorb spilled liquids and solids. Collect in a suitable container for disposal according to local / national regulations.

7. Handling and Storage

www.rxmarine.com

Handling	Handle in accordance with good industrial hygiene and safety practices. Avoid dusting, spraying or blowing.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated area away from children. Keep from freezing.
Advice on general occupational hygiene	Acids. Strong oxidizing agents. Ammonia. Reactive metals.

8. Exposure controls and personal protection

www.rxmarine.com

Engineering Control	Provide good general ventilation. If work practices generate dust, eye protection and other engineering controls should be considered. Eye protection should be readily accessible in areas where the product is handled.
Personal Protection	Wear splash goggles. For severe use-conditions, wear a full-face respirator. Protection: Wear rubber or other chemical-resistant gloves. Full body protective equipment should be considered in order to protect against skin contact. Not required with expected use.
Other Protection Measure	If occupational exposure limits are exceeded or respiratory protection is required, an approved respirator suitable for the use-conditions and the chemical should be used.
General Hygiene Considerations	Wash hands and any exposed skin thoroughly after handling. See also the guidance.



Gloves Suit

9. Physical and chemical properties

www.rxmarine.com

Form	Liquid
Colour	Clear / Yellow
Odour	Slight Chlorine
Odor Threshold	Not Applicable
pH	12.5 - 13.5
Melting Point/Freezing Point	No Information Available
Boiling Point	100 °C / 212 °F
Flash Point	No Information Available
Evaporation Rate	< 1 (Butyl acetate = 1)
Flammability (solid, gas)	Non Flammable
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	No Data Available
Specific Gravity	1.1 - 1.15
Partition coefficient	No data available
Explosive properties	None
Solubility	Soluble in water
Ignition temperature	No information available.
Auto-ignition temperature	No information available.
Viscosity, dynamic	No information available.

10. Stability and reactivity

www.rxmarine.com

Reactivity	This material is considered to be non-reactive under normal conditions of use.
Stability	Stable under normal conditions.
Possibility of hazardous reactions	Contact with acids releases chlorine gas. Contact with ammonia releases chloramine gas. Contact with aluminum or other reactive metals may release hydrogen gas.
Conditions to avoid	High temperature accelerates decomposition of product.
Incompatible materials	Acids. Strong oxidizing agents. Ammonia. Reactive metals such as aluminum, zinc and tin.
Hazardous Decomposition Products	May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors. Releases oxygen when heated to which may intensify fire.
Hazardous Polymerization	Hazardous polymerization does not occur. Hazardous Reactions None under normal processing.

11. Toxicological information

www.rxmarine.com

Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	Acute oral toxicity Chemical Name Oral LD50 Dermal LD50 Inhalation LC50 water > 90 mL/kg (Rat) Not Available Not Available sodium hydroxide Not Available = 1350 mg/kg (Rabbit) Not Available sodium hypochlorite 8200 mg/kg (Rat) > 10000 mg/kg (Rabbit) Not Available
Toxic Effects Human	on Eye Contact: Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage. Pain, redness, blistering and possible chemical burn. Inhalation: Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing. Ingestion: Damage or chemical burns to mouth, throat and stomach. Pain, nausea, diarrhea.
Chronic Effects	Data not available or insufficient for classification.

12. Ecological information

www.rxmarine.com

Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	No Information available
Mobility in soil	No Information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	Harmful. Forms corrosive mixtures. Discharge into the environment must be avoided.

13. Disposal considerations

www.rxmarine.com

Waste treatment Method Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original mixing with other waste. Handle uncleaned containers like the product itself

14. Transport information

www.rxmarine.com

DOT/TDG/IATA

UN Number	UN 1760
Proper shipping name	Corrosive Liquids, n.o.s.,(contains sodium hydroxide, solid)
Hazard Class	8
Packing group	II

IMDG/IMO

UN Number	UN 1760
Proper shipping name	Corrosive Liquids, n.o.s.,(contains sodium hydroxide, solid)
Hazard Class	8
Packing group	II

15. Regulatory information

www.rxmarine.com

Federal and State Regulation (Toxic Substance Control Act Section 8(b) Inventory).A included on or exempted from listing on the TSCA Inventory

Other Regulation SARA 313
This product does not contain listed substances above the reporting threshold.

WHMIS (Canada) CLASS E: Corrosive solid.

DSCL (EEC) R8- Contact with combustible material may cause fire. R36/38- Irritating to eyes and skin. S28- After contact with water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. In case of an accident or if you feel unwell, seek medical advice immediately.

HMIS

Health Hazard	: 3
Fire Hazard	: 0
Reactivity	: 0
Personal Protection	: E

Fire :

Health Hazard	: 1
Fire Hazard	: 0
Reactivity	: 0

16. Other information

www.rxmarine.com

Other Information

The information above is believed to be accurate and available to us. However, We make no warranty of accuracy, implied, with respect to such information, and we should make their own investigations to determine its suitability for particular purposes. In no event shall we be liable for any damages, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **RX Marine International** has been advised of the possibility of such damages.

DISCLAIMER OF LIABILITY :The information in this document is believed to be reliable. However, the information is provided as is regarding its correctness. The conditions or methods of use are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability in any way connected with the handling, storage, use or misuse of this product and is to be used only for this product. If the product is used for purposes other than those stated in the MSDS information may not be applicable.