

1. Product and Company Identification

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Product Name : RXSOL PCS Hold CLean

Product Type : Cargo Cleaning Chemicals

Company Details:

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

Stock Point ::: Mumbai, Kandla - Gnadhidham, Ennore - Chennai, Kolkata - Ennore, Fujairah, Oman

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2. Composition / Information on ingredients

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Chemica Name	CAS #	% BY WEIGHT
NaOCl	7681-52-9	40-50
Proprietary Blend of Surfactant NA		60-40

3. Hazards Identification

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Eye	Can cause permanent eye injury. Symptoms include eye pain, redness, tearing, and blurred vision. Can injure the cornea and cause blindness.
Skin	Can cause permanent skin damage. Symptoms may include skin irritation, redness, itching, blisters, burns, and other skin damage. Additional symptoms may include hair loss, Passage of this material into the bloodstream is unlikely that this would result in harmful effects during use.
Swallowing	Swallowing this material may be harmful or fatal. Symptoms may include intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and shock. This material may cause burns and destroy tissue in the mouth and throat. Pressure and shock may occur as a result of severe tissue damage.
Inhalation	It is possible to breathe this material under certain conditions (e.g., heating, spraying, or stirring). Breathing this material may cause severe irritation and burns to the nose, throat, and lungs. Symptoms may include coughing, wheezing, and difficulty breathing.
Target Organ Effects	This material (or a component) has been shown to be toxic to certain organs in experimental animals. The significance of this effect to humans is not known.
Developmental Information	There are no data available for assessing risk to the fetus or developing animals.
Primary Route(s) of Entry	Inhalation, Skin contact, Eye contact.

4. First Aid Measures

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Eyes	If material gets into the eyes, immediately flush eyes with water for at least 15 minutes, holding eyelids apart. If symptoms develop as a result of exposure, seek immediate medical attention.
Skin	Immediately flush skin with water for at least 15 minutes. Remove contaminated clothing and shoes. Seek immediate medical attention. Do not use contaminated shoes.

Swallowing	Seek immediate medical attention. Do not induce vomiting. If individual is unconscious, do not give milk or water to drink. If possible, do not leave individual alone.
Inhalation	If symptoms develop, immediately move individual to fresh air. Seek immediate medical attention; keep person warm and quiet. If breathing is difficult, administer oxygen.
Note to Physicians	Preexisting disorders of the following organs (or organ systems) may be exacerbated by this material: skin, lung (for example, asthma-like conditions).

5. Fire-fighting Measures

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Flash Point	Not applicable
Explosive Limit	Not applicable
Autoignition Temperature	No data
Hazardous Products of Combustion	NA
Fire and Explosion Hazards	No special fire hazards are known to be associated with this material.
Extinguishing Media	Use an extinguishing media appropriate for surrounding fire.
Fire Fighting Instructions	Water may be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the negative pressure mode, and use appropriate turn-out gear and chemical resistant clothing. For more information on fire fighting, see the personal protective equipment section of this MSDS.

6. Accidental Release Measures

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Small Spill	Dilute with water and absorb onto a noncombustible absorbent.
Large Spill	Prevent run-off to sewers, streams or other bodies of water. Notify appropriate authorities as required, that a spill has occurred. Contain spill. Persons not wearing protective equipment should be excluded from the spill area until completed. Stop spill at source. Dike to prevent spread.

7. Handling and Storage

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Handling	Containers of this material may be hazardous when emptied or cleaned. Wash all residues (vapor, liquid, and/or solid), all hazard precautions apply. Emergency eyewash fountains and safety showers should be available for potential exposure.
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8. Exposure controls and personal protection

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Eye Protection	Chemical splash goggles and face shield (8" min.) in most cases; however, OSHA regulations also permit other type safety eyewear.
Skin Protection	Wear impervious gloves (consult your safety equipment supplier for impervious gloves); wear impervious clothing and boots..
Respiratory Protections	If overexposure has been determined or documented, a respirator is advised in absence of proper environmental controls. Consult other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented.
Engineering Controls	Provide sufficient mechanical (general and/or local exhaust ventilation) to reduce level of overexposure (from known, suspected or apparent overexposure).
Exposure Guidelines	Component

9. Physical and chemical properties

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Boiling Point	(for component) 212.0 F (100.0 C)
Vapor Pressure	(for component) 17.500 mmHg
Specific Vapor Density	No data
Specific Gravity	1.220 - 1.250 @ 68.00 F
Liquid Density	10.400 lbs/gal @ 68.00 F 1.250 kg/l @ 20.00 C
Percent Volatiles	87.5%
Evaporation Rate	SLOWER THAN ETHYL ETHER
Appearance	No data
State	LIQUID
Physical Form	HOMOGENEOUS SOLUTION
Color	CLEAR TO YELLOW LIQUID
Odor	CHLORINATED
pH	11.5-12.50
Solubility in Water	SOLUBLE

10. Stability and reactivity

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Hazardous Polymerization	Product will not undergo hazardous polymerization. <ul style="list-style-type: none">- This article is considered stable under normal conditions- Avoid overheating, Keep away from frost- Incompatible with acid- See Section 5
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11. Toxicological information

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Toxicological information	No experimental data available.
Inhalation	Can cause damage to the respiratory system.
Contact with skin	Causes burns (R35).
Contact with eyes	Causes burns (R35).
Ingestion	The ingestion of significant quantities may cause burning sensation. The ingestion of significant quantities may cause digestive system.
Carcinogenicity	No evidence of carcinogenic effects.

12. Ecological information

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Ecotoxicity	"In general, this cleaning agent main ingredients will either dissolve rapidly and dissociate in water or are biodegradable." and Pollution Hazards approved this product for use as tank / hold cleaning agent by chemical tankers
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Mobility	Completely soluble in water
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily / inherently biodegradable.
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly.

13. Disposal considerations

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Waste Management Information

Classification
Disposal considerations

14. Transport information

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DOT Information	49 CFR 172.101
DOT Description:	Mixture HYPOCHLORITE SOLUTIONS,8,UN1791,III
Container/Mode:	25 LTRS
NOS Component:	Not applicable
RQ (Reportable Quantity)	- 49 CFR 172.101
Product Quantity (lbs)	Component

15. Regulatory information

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Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated.

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR

16. Other information

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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.