Material Safety Data Sheet

Sodium Hypo Chlorite 4-6 Percent (RXSOL-19-1913-050)

1. Product and Company Identifaction

Product Name	**Sodium Hypo Chlorite**
Product Type	**RXSOL-19-1913-050**

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Muscat, Fujairah, Nairobi Kenya

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemica Name	CAS #	% BY WEIGHT
Non Hazardous	----------	94.0- 95.0
SODIUM HYPOCHLORITE	7681-52-9	5.0- 6.0

3. Hazards Identification

Eye	:	Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.
Skin	:	Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Additional symptoms of skin contact may include: skin blistering,hair loss, Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
Swallowing	:	Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea,vomiting, diarrhea), abdominal pain, and vomiting of blood.Swallowing this material may cause burns and destroy tissue in themouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.
Inhalation	:	It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal.Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

Symptoms of Exposure	:	Signs and symptoms of exposure to this material through breathing,swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) cough, tight feeling in the chest, difficult breathing, lung edema (fluid buildup in the lung tissue), lung damage, shock, coma, and death.
Target Organ Effects	:	This material (or a component) has been shown to lower activity of certain immune system cells in mental animals. The significance of this effect with respect to human health is uncertain.
Developmental Information	:	There are no data available for assessing risk to the fetus from maternal exposure to this material.
Cancer Information	:	Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.
Other Health Effects	:	When combined with an acid or ammonia, sodium hypochlorite may produce chlorine or chloramine gas, respectively. Inhalation of these gases results in coughing, choking, difficult breathing, and other ymptoms of respiratory tract irritation. Fluid may collect in the lung tissue following a severe gas exposure.
Primary Route(s) of Entry	:	Inhalation, Skin contact, Eye contact.

4. First Aid Measures

Eyes	:	If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushingas recommended above. Seek immediate medical attention.
Skin	:	Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and discard contaminated shoes.
Swallowing	:	Seek immediate medical attention. Do not induce vomiting.Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended.
Inhalation	:	If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention;keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.
Note to Physicians	;	Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (forexample, asthma-like conditions), immune system.

5. Fire-fighting Measures

Flash Point	:	Not applicable

Explosive Limit	:	Not applicable
Autoignition Temperature	:	No data
Hazardous Products of Combustion	:	May form: chlorine
Fire and Explosion Hazards	:	No special fire hazards are known to be associated with this product.
Extinguishing Media	:	Use an extinguishing media appropriate for surrounding fire..
Fire Fighting Instructions	:	Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.
NFPA Rating	:	Health - 3, Flammability - 0, Reactivity - 1

6. Accidental Release Measures

Small Spill	:	Dilute with water and absorb onto a noncombustible absorbent material.
Large Spill	:	Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Collect and add slowly to large volume of water. Persons not wearing protective equipment be excluded from area of spill until clean-up is completed. Stop spill at source. Dike to prevent spreading. Pump to salvage tank.

7. Handling and Storage

Handling	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

8. Exposure controls and personal protection

Eye Protection	:	Chemical splash goggles and face shield (8" min.) in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.).
Skin Protection	:	Wear impervious gloves (consult your safety equipment supplier).To prevent skin contact, wear impervious clothing and boots.

Respiratory Protections	:	If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.)ineering or administrative controls should be implemented to reduce exposure.
Engineering Controls	:	Provide sufficient mechanical (general and/or local exhaust)lation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).
Exposure Guidelines	:	Component
WATER (7732-18-5)	:	No exposure limits established
SODIUM HYPOCHLORITE (7681-52-9)	:	No exposure limits established

9. Physical and chemical properties

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 BLEACH ODOR
pH	: 13.5
Solubility in Water	: SOLUBLE

10. Stability and reactivity

Hazardous Polymerization	Product will not undergo hazardous polymerization.

11. Toxicological information

No data

12. Ecological information

No data

13. Disposal considerations

Waste Management Information	Dispose of in accordance with all applicable local, state and federal regulations.

14. Transport information

DOT Description	: HYPOCHLORITE SOLUTIONS
NOS Component	: Not applicable

Not Classified as Dangerous good.

15. Regulatory information

-------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Sodium Hypochlorite (as NaOCl) (7681-52-9)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\----------

	--Canada--			
Ingredient	Korea	DSL	NDSL	Phil.
Sodium Hypochlorite (as NaOCl) (7681-52-9)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

	-SARA 302-		------SARA 313------	
Ingredient	RQ	TPQ	List	Chemical Catg.
Sodium Hypochlorite (as NaOCl) (7681-52-9)	No	No	No	No
Water (7732-18-5)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

	-RCRA-	-TSCA-	
Ingredient	CERCLA	261.33	8(d)
Sodium Hypochlorite (as NaOCl) (7681-52-9)	100	No	No
Water (7732-18-5)	No	No	No

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

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