

1. Product and Company Identification

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Product Name : RXSOL-31-3025-210
Product Type : SODIUM HYPO CHLORITE

Material Identity

Product Name: SODIUM HYPOCHLORITE

General or Generic ID: SALTS

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / Information on ingredients

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Chemical Name	CAS No	EC No	Molecular weight	Formula
Sodium Hypochlorite 12 to 15 percent	7681-52-9	231-668-3	74.44 g/mol	ClNaO

3. Hazards Identification

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Eye	Can cause permanent eye injury. Symptoms include stinging,tearing, swelling of eyes. Can injure the cornea and cause blindness.
Skin	Can cause permanent skin damage. Symptoms may include redness, swelling of skin, burns, and other skin damage. Additional symptoms may include: skin blistering, hair loss, Passage of this material into the skin is possible, but it is unlikely that this would result in harm from safe handling and use.
Swallowing	Swallowing this material may be harmful or fatal. Symptoms may include stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, vomiting of blood. Swallowing this material may cause burns and irritation of the mouth, throat, and digestive tract. Low blood pressure and shock may result of severe tissue injury.
Inhalation	It is possible to breathe this material under certain conditions of handling (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the 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 irritation, upset (nausea, vomiting, diarrhea) cough, tight feeling in the chest, difficulty breathing, lung edema (fluid buildup in the lung tissue), lung damage, shock, coma.
Target Organ Effects	This material (or a component) has been shown to lower activity of some body system cells in experimental animals. The significance of this effect on human health is uncertain.
Developmental Information	There are no data available for assessing risk to the fetus from maternal exposure.

Cancer Information

Other Health Effects

Primary Route(s) of Entry

this material.

Based on the available information, this material cannot be classified for 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.

When combined with an acid or ammonia, sodium hypochlorite may release chlorine or chloramine gas, respectively. Inhalation of these gases results in coughing, difficult breathing, and other symptoms of respiratory tract irritation. These gases collect in the lung tissue following a severe gas exposure.

Inhalation, Skin contact, Eye contact.

4. First Aid Measures

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Eyes

If material gets into the eyes, immediately flush eyes gently with water for 15 minutes while holding eyelids apart. If symptoms develop as a result of exposure, immediately move individual away from exposure and into fresh air, flushing as recommended above. Seek immediate medical attention.

Skin

Immediately flush skin with water for at least 15 minutes with soap and water. Remove contaminated clothing and shoes. Seek immediate medical attention before reuse and discard contaminated clothing and shoes.

Swallowing

Seek immediate medical attention. Do not induce vomiting. Vomiting may cause further damage to the mouth and throat. If individual is conscious and able to swallow, immediately rinse mouth with water and give milk or water to drink. Do not leave individual unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure to fresh air. Seek immediate medical attention; keep person warm and quiet. If 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 (for example, asthma-like conditions), respiratory system.

5. Fire-fighting Measures

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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. Fire fighters should wear a contained breathing apparatus with a full facepiece operated in the pressure demand mode with appropriate turn-out gear and chemical protective clothing. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health - 3, Flammability - 0, Reactivity - 1

6. Accidental Release Measures

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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 cannot be prevented, inform proper authorities as required, that a spill has occurred. Collect and remove spilled material. Do not use large volume of water. Persons not wearing protective equipment should not enter the spill area.

from area of spill until clean-up is completed. Stop spill at source. spreading. Pump to salvage tank.

7. Handling and Storage

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Handling

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

8. Exposure controls and personal protection

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Eye Protection

Chemical splash goggles and face shield (8" min.) in compliance regulations are advised; however, OSHA regulations also permit c glasses. (Consult your industrial hygienist.)

Skin Protection

Wear impervious gloves (consult your safety equipment supplier). contact, wear impervious clothing and boots..

Respiratory Protections

If overexposure has been determined or documented, a NIOSH/ approved air supplied respirator is advised in absence of proper control. OSHA regulations also permit other NIOSH/MSHA r specified conditions. (See your safety equipment supplier.) administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation exposure below level of overexposure (from known, suspected or app 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

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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 BLEACH ODOR

pH

13.5

Solubility in Water

SOLUBLE

10. Stability and reactivity

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Hazardous Polymerization

Product will not undergo hazardous polymerization.

11. Toxicological information

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No data

12. Ecological information

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No data

13. Disposal considerations

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Waste Management Information

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

14. Transport information

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DOT Description:

HYPOCHLORITE SOLUTIONS

NOS Component:

Not applicable

Not Classified as Dangerous good.

15. Regulatory information

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

Ingredient	TSCA	EC	Japan	Australia
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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.
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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.
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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)
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Sodium Hypochlorite (as NaOCl) (7681-52-9)	100	No	No
Water (7732-18-5)	No	No	No

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.

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