

## 1. Product and Company Identification

www.rxmarine.com

Product Name : **RXSOL-15-1500**  
Product Type : **BLEACHING LIQUID**

### Material Identity

**Product Name: SODIUM HYPOCHLORITE**

**General or Generic ID: SALTS**

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Chemica Name	CAS #	% BY WEIGHT
WATER	7732-18-5	85.0- 88.0
SODIUM HYPOCHLORITE	7681-52-9	12.0- 15.0

## 3. Hazards Identification

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<b>Eye:</b>	Can cause permanent eye injury. Symptoms include stinging, swelling of eyes. Can injure the cornea and cause blindness.
<b>Skin:</b>	Can cause permanent skin damage. Symptoms may include redness of skin, burns, and other skin damage. Additional symptoms of skin contact may include: skin blistering. Absorption of this material into the body through the skin is possible, but it is not expected to result in harmful effects during safe handling and use.
<b>Swallowing:</b>	Swallowing this material may be harmful or fatal. Symptoms may include nausea and intestinal irritation (nausea,vomiting, diarrhea), abdominal pain, and blood. Swallowing this material may cause burns and destroy tissue in the mouth and digestive tract. Low blood pressure and shock may occur as a result of injury.
<b>Inhalation:</b>	It is possible to breathe this material under certain conditions (for example, during heating, spraying, or stirring). Breathing this material may be fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.
<b>Symptoms of Exposure:</b>	Signs and symptoms of exposure to this material through breathing or skin passage of the material through the skin may include: stomach or intestinal pain, vomiting, diarrhea) cough, tight feeling in the chest, difficulty breathing, edema (fluid buildup in the lung tissue), lung damage, shock, coma, and death.
<b>Target Organ Effects:</b>	This material (or a component) has been shown to lower activity of immune system cells in experimental animals. The significance of this effect is not known.

**Developmental Information:**

human health is uncertain.

**Cancer Information:**

There are no data available for assessing risk to the fetus from maternal exposure to this material.

**Other Health Effects:**

Based on the available information, this material cannot be classified as a carcinogen. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the U.S. Environmental Protection Agency.

**Primary Route(s) of Entry:**

When combined with an acid or ammonia, sodium hypochlorite may produce chlorine gas or chloramine gas, respectively. Inhalation of these gases results in irritation of the respiratory tract, including symptoms of difficult breathing, and other symptoms of respiratory tract irritation. Symptoms may be severe following 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 at least 15 minutes while holding eyelids apart. If symptoms develop as a result of exposure, immediately move individual away from exposure and into fresh air. Seek medical attention as 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 thoroughly. Discard contaminated shoes.

**Swallowing:**

Seek immediate medical attention. Do not induce vomiting. Vomiting may cause damage to the mouth and throat. If individual is conscious and alert, 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. 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 (for example, asthma), 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 extinguished. Firefighters should wear contained breathing apparatus with a full facepiece operated in demand mode with appropriate turn-out gear and chemical resistant clothing. Refer to the personal protective equipment section of the SDS for more information.

**NFPA Rating:**

Health - 3, Flammability - 0, Reactivity - 1

**6. Accidental Release Measures**

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**Small Spill:**

**Large Spill:**

Dilute with water and absorb onto a noncombustible absorbent material. Prevent run-off to sewers, streams or other bodies of water. Inform proper authorities as required, that a spill has occurred. Collect and dispose of volume of water. Persons not wearing protective equipment should leave area of spill until clean-up is completed. Stop spill at source. Disconnect Pump to salvage tank.

## 7. Handling and Storage

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**Handling:**

Containers of this material may be hazardous when emptied. Since they may retain product residues (vapor, liquid, and/or solid), all hazard pictograms and data sheet must be observed. Emergency eyewash fountains and showers 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 with ANSI standards are advised; however, OSHA regulations also permit other types of eye protection (consult your industrial hygienist.)

**Skin Protection:**

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

**Respiratory Protections:**

If overexposure has been determined or documented, a full-facepiece, air supplied respirator is advised in absence of proper engineering controls. OSHA regulations also permit other NIOSH/MSHA respirators under certain conditions. (See your safety equipment supplier.) Engineering controls should be implemented to reduce exposure.

**Engineering Controls:**

Provide sufficient mechanical (general and/or local exhaust) ventilation to reduce exposure below level of overexposure (from known, suspected or potential effects).

**Exposure Guidelines:**

**WATER (7732-18-5) :**

Component

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

[www.rxmarine.com](http://www.rxmarine.com)

No data

## 13. Disposal considerations

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**Waste Management Information:**

Dispose of in accordance with state and federal regulations.

## 14. Transport information

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**DOT Information:**

**DOT Description:**

**Hazardous Class:**

**Packing Group:**

UN Number

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SODIUM HYPOCHLORITE SOLUTIONS

8, Corrosive

III

1791

## 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.

## 16. Other information

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The information accumulated herein is believed to be accurate but is not warranted

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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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