

## 1. Product and Company Identification

www.rxmarine.com

Product Name : Sodium Hypo Chlorite ( Food Grade)  
Part Number : RXSOL-40-1913-025

### 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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Name of Substance	Cas Number	EINECS No	Wt. %	Symbol
Sodium Hypochlorite (Food Grade)	7681-52-9	231-668-3	4-6	Xi

## 3. Hazards Identification

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Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Hazards not otherwise classified	Not applicable
Label elements	Danger
Hazard statements	Causes skin irritation Causes serious eye damage
Appearance	sediment
Physical state	Liquid
Odor	No information available
Precautionary Statements - Prevention	Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/eye protection/face protection
Precautionary Statements - Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. ContinuerinsingImmediately call a POISON CENTER or doctor IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse
Other information	No information available.

## 4. First Aid Measures

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General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
Most important symptoms and effects, both acute and delayed Symptoms Note to physicians	Burning sensation. Treat symptomatically.

## 5. Fire-fighting Measures

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Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams
Specific hazards arising from the chemical	No information available.
Explosion data Sensitivity to mechanical impact	none.
Sensitivity to static discharge	none.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental Release Measures

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Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation
Other information	Refer to protective measures listed in Sections 7 and 8
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.

## 7. Handling and Storage

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Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## 8. Exposure controls and personal protection

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## Exposure Limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Sodium Hydroxide

No data available 2 mg/m<sup>3</sup> TWA

1310-73-2

Engineering controls

Showers Eyewash stations Ventilation systems.

Eye/face protection

Tight sealing safety goggles.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.



Gloves Suit

## 9. Physical and chemical properties

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Physical state

Liquid

Appearance

sediment

Color

Yellowish

Odor

No information available

Odor threshold

No information available

pH

No information available ?11

Melting point / freezing point

no data available

Boiling point / boiling range

no data available

Flash point

no data available

Evaporation rate

no data available

Flammability (solid, gas)

no data available

Flammability Limit in Air

no data available

Upper flammability or explosive limits

No data available

Lower flammability or explosive limits

No data available

Vapor pressure

No data available

Vapor density

no data available

Relative density

1.1

Water solubility

Miscible in water

Solubility(ies)

no data available

Partition coefficient

No data available

Autoignition temperature

No data available

Decomposition temperature

None known

Kinematic viscosity

no data available

Dynamic viscosity	No data available
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

## 10. Stability and reactivity

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Recativity	No information available.
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None under normal processing.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition	None known based on information supplied.
Condition to Avoid	None known based on information supplied.

## 11. Toxicological information

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Route of Exposure	Inhalation, Eye contact, Skin contact
Eyes contact	Specific test data for the substance or mixture is not available. Causes serious eyedamage. May cause irreversible damage to eyes. (based on components).
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (basedon components).
Ingestion	Causes digestive tract burns
Inhalation	Specific test data for the substance or mixture is not available. Ingestion may causegastrointestinal irritation, nausea, vomiting and diarrhea.
Symptoms	Redness. Burning. May cause blindness. May cause redness and tearing of theeyes.
Numerical measures of toxicity	
ATEmix (oral)	27,486.90 mg/kg
ATEmix (dermal)	80,597.00 mg/kg
Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Risk of seriousdamage to eyes
Respiratory or skin sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Target organ effects	respiratory system, Eyes, Skin.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

## 12. Ecological information

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Ecotoxicity	Sodium Hypochlorite 7681-52-9 EC50: =0.095mg/L (24h, Skeletonema costatum) LC50: 0.03 - 0.19mg/L
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(96h, Oncorhynchus mykiss) LC50: 0.05 - 0.771mg/L (96h, Oncorhynchus mykiss) LC50: 0.06 - 0.11mg/L (96h, Pimephales promelas) LC50: 0.18 - 0.22mg/L (96h, Oncorhynchus mykiss) LC50: 0.28 - 1mg/L (96h, Lepomis macrochirus) LC50: 0.4 - 0.8mg/L (96h, Lepomis macrochirus) LC50: 4.5 - 7.6mg/L (96h, Pimephales promelas) - EC50: 0.033- 0.044mg/L(48h, Daphniamagna)EC50: =2.1mg/L(96h,Daphniamagna)Sodium Hydroxide 1310-73-2 - LC50: =45.4mg/L (96h, Oncorhynchus mykiss) - 40.4 mg/L EC50 Ceriodaphnia sp. 48h

Persistence and degradability

No information available

Bioaccumulation

Inherently biodegradable.

Other adverse effects

No information available.

### 13. Disposal considerations

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Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

products

Contaminated packaging

Do not reuse empty containers.

### 14. Transport information

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

DOT

not regulated

TDG

not regulated

MEX

not regulated

ICAO (air)

not regulated

IATA

not regulated

IMDG

not regulated

RID

not regulated

ADR

not regulated

ADN

### 15. Regulatory information

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TSCA

Complies

DSL/NDSL

Complies

EINECS/ELINCS

Complies

ENCS

This product complies with ENCS:

IECSC

This product complies with China:

KECL

Complies

PICCS

Complies

AICS

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

TSCA

United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL

- Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS

European Inventory of Existing Chemical Substances/European List of Notified

ENCS

Japan Existing and New Chemical Substances

IECSC

- China Inventory of Existing Chemical Substances

KECL

Korean Existing and Evaluated Chemical Substances

PICCS

Philippines Inventory of Chemicals and Chemical Substances

SARA 313

Section 313 of Title III of the Superfund Amendments and

SARA 311/312 Hazard Categories

Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CERCLA

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302). Chemical name Hazardous Substances RQs Extremely Hazardous Substances RQs Sodium Hypochlorite 7681-52-9 100 lb final RQ

California Proposition 65

45.4 kg final RQ - Sodium Hydroxide 1310-73-2 1000 lb final RQ 454 kg final RQ

U.S. State Right-to-Know Regulations

This product does not contain any Proposition 65 chemicals.

EPA Pesticide Registration Number

This product does not contain any substances regulated under applicable state right-to-know regulations

Not applicable

## 16. Other information

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### Other Information

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