

Sodium Hypo Chlorite 4-6 Percent (RXSOL-40-1913-025)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

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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. Continue rinsing Immediately 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	Burning sensation.
Note to physicians	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. Takeoff 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 1310-73-2	No data available 2 mg/m ³ TWA
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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Reactivity	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 (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/LEC50Ceriodaphniasp. 48h
Persistence and degradability	No information available

Bioaccumulation	Inherently biodegradable.
Other adverse effects	No information available.

13. Disposal considerations

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Waste residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

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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 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
SARA 311/312 Hazard Categories	Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.
CWA (Clean Water Act)	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).
CERCLA	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 45.4 kg final RQ - Sodium Hydroxide 1310-73-2 1000 lb final RQ 454 kg final RQ
California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	This product does not contain any substances regulated under applicable state right-to-know regulations
EPA Pesticide Registration Number	Not applicable

16. Other information

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Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. 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.
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