

1. Product and Company Identification

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Product Name
Part Number

Sodium Chlorite Powder
RXSOL-26-1977-050

Company Details:

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

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Sodium Chlorite	7758-19-2

3. Hazards Identification

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Signal Word
Hazard Statements

Word Danger

Precautionary statement(s)

H271 May cause fire or explosion; strong oxidizer
skin. H314 Causes severe skin burns and eye damage
prolonged or repeated exposure if swallowed. H411 Harmful
P210 Keep away from heat, hot surfaces, sparks, open flames
P260 Do not breathe dust or mist. P273 Avoid release into
protective clothing/ eye protection/ face protection
immediately all contaminated clothing. Rinse skin
Rinse cautiously with water for several minutes. Remove
rinsing. Immediately call a POISON CENTER/doctor if
EUH032 Contact with acids liberates very toxic gas
This substance/mixture contains no components
toxic (PBT), or very persistent and very bioaccumulative

Supplemental Hazard information (EU)
Other hazards

4. First Aid Measures

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General advice
Inhalation
Skin Contact

Eye Contact
Swallowed

Most important symptoms and effects, both acute and delayed

Consult a physician. Show this safety data sheet to
If breathed in, move person into fresh air. If not
Take off contaminated clothing and shoes immediately
victim immediately to hospital. Consult a physician
Rinse thoroughly with plenty of water for at least 15
Do NOT induce vomiting. Never give anything by mouth
Consult a physician.
The most important known symptoms and effects are
section 11

5. Fire-fighting Measures

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Suitable extinguishing media

Suitable extinguishing media Dry powder

Special hazards arising from the substance or mixture

Carbon oxides, Hydrogen chloride gas, Sodium oxides.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting

Further information

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation and ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing vapours.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Contaminated environment must be avoided

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect in a container for disposal. Do not wash into drains. Flush with water. Keep in suitable, closed container for disposal.

Reference to other sections

For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and ensure adequate ventilation at places where dust is formed. Keep away from heat and open flames. Precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed and do not get in contact with water during storage. Do not store in airtight containers.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other uses are recommended.

8. Exposure controls and personal protection

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Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands thoroughly after use. Personal protective equipment .

Eye/face protection

Face shield and safety glasses Use equipment for protection against dust in accordance with applicable laws and government standards such as NIOSH (US) or EN 1822 (EU)

Skin protection

Handle with gloves. Gloves must be inspected prior to use (do not touch glove's outer surface) to avoid skin contact. After use in accordance with applicable laws and government standards. The selected protective gloves have to satisfy the requirements of the standard EN 374 derived from it.

Full contact Material: Nitrile rubber Minimum layer thickness: 0.35 mm

Material tested: Dermatrill® (KCL 740 / Aldrich Ziegler)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.35 mm

Material tested: Dermatrill® (KCL 740 / Aldrich Ziegler)

Eichenzell, phone +49 (0)6659 87300, e-mail sales@eichenzell.com

mixed with other substances, and under conditions of normal use.

CE approved gloves. This recommendation is a

hygienist and safety officer familiar with the specific

Body Protection

Respiratory protection

Control of environmental exposure



Gloves Suit

should not be construed as offering an approval for

Complete suit protecting against chemicals, The type depends on the concentration and amount of the dangerous substance.

Where risk assessment shows air-purifying respirator is the sole means of protection, use a type N100 (US) or type P3 (EN 143) respirator components tested and approved under appropriate national (EU).

Prevent further leakage or spillage if safe to do so. No release to the environment must be avoided.

9. Physical and chemical properties

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Appearance Form

Powder

Colour

White

Odour

No data available

Odour Threshold

No data available

pH

10,0 - 11,0 at 100 g/l at 20 °C

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

Flash point

No data available

Evaporation rate

No information available

Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

Lower explosion limit: 7 %(V)

Vapour pressure

No information available

Vapour density

Not applicable

Relative density

No Data Available

Water solubility

545 g/l at 20 °C - OECD Test Guideline 105.

Partition coefficient; n-octanol/water

log Pow: < -2,7

Autoignition Temperature

No Data Available

Decomposition Temperature

No data available

Viscosity

No information available

Explosive properties

No data available

Oxidizing properties

The substance or mixture is classified as oxidizing

Other safety information

No data available

10. Stability and reactivity

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Reactive

No data available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong reducing agents, Powdered metals, Phosphorus materials, acids, Amines
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions - Sodium oxides Other decomposition products - formed under fire conditions. - Carbon oxides, Hydrogen gas see section 5.

11. Toxicological information

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Acute toxicity	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell	No data available
Mutagenicity	No information available
Carcinogenicity IARC	No component of this product present at levels greater than 1% possible or confirmed human carcinogen by IARC.
Specific target organ toxicity	Single exposure No data available
Specific target organ toxicity	Repeated exposure No data available
Aspiration hazard	No data available
Additional Information	RTECS: VZ4800000

12. Ecological information

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Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components of concern for PBT, or very persistent and very bioaccumulative (PBT), or very persistent and very bioaccumulative (vPvB).
Other adverse effects	Very toxic to aquatic life.

13. Disposal considerations

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Product	Burn in a chemical incinerator equipped with an air pollution control system as this material is highly flammable. Offer surplus material to a qualified company.
Contaminated packaging	Dispose of as unused product.

14. Transport information

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ADR/RID

UN number	1496
UN proper shipping name	SODIUM CHLORITE
Transport hazard class(es)	5.1
Packaging group	II

