



RO-TREAT 102

(Antiscalant for Reverse Osmosis Screen)

(Material Safety Data Sheet)

Section 1: Identification

Product Name : RO-TREAT 102
Company Name : Salts and Chemicals Pvt. Ltd.

Section 2: Composition and Information on Ingredients

Neutralized Polycarboxylic Acid : Not Hazardous
Water : 7732-18-5

Section 3: Hazards Identification

Potential Acute Health Effects : Inhalation- product mist is irritating; prolonged exposure may be corrosive to respiratory tract.
Ingestion- Irritating to mouth, throat & stomach – not a route of industrial exposure.
Skin Contact - Irritating, may be corrosive if not removed promptly.
Skin Absorption - light; no toxic effects likely by this route.
Skin Contact - Irritating, may be corrosive if not removed promptly.

Potential Chronic Health Effects : Not available.
Developmental Toxicity : Not available.

Section 4: First Aid Measures

Eye Contact: : Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.

Skin Contact : Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered.

Inhalation : Remove from contaminated area promptly.

Ingestion : Give plenty of water to dilute product, or milk if available to neutralise it. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

Section 5: Fire and Explosion Data

Flammability of the Product : This product is not combustible and does not support the combustion. Use fire fighting measures suiting the environment.

Auto-Ignition Temperature : Not a flammable product.

Products of Combustion : Nitrogen oxides, phosphine, phosphorous oxides.

Explosion Hazards in Presence of Various Substances : Not available.

Fire Fighting Media and Instructions : Water spray, dry chemical, appropriate foam or carbon dioxide; wear self-contained respiratory protective device. Dispose fire debris and contaminated fire fighting water in accordance with official regulations.

Special Remarks on Fire Hazards: : In the event of fire, wear full protective clothing, self contained breathing apparatus.

Static Charge Accumulation : Cannot accumulate a static charge on agitation or pumping

Section 6: Accidental Release Measures

Leak Precaution : Dyke to control spillage and prevent environmental contamination.

Handling Spill : Ventilate contaminated area; recover free liquid with suitable corrosion resistant pumps; absorb residue on an inert sorbent, sweep, shovel, & store in closed containers for recycling or disposal.



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Section 7: Handling and Storage

- Precautions** : Store in a cool place, but above 0oC / 32oF. Ensure that containers, whether empty or full, or part full, are tightly sealed unless in use. Avoid creating or breathing product mist. Use with adequate exhaust ventilation if a mist is created. Never cut, drill, weld or grind on or near this container. Avoid all contact with skin and wash work clothes frequently. An eye bath and safety shower must be available near the workplace.
- Storage** : Store at ambient temperature, under a covered place to avoid contamination.

Section 8: Exposure Controls/Personal Protection

- Personal Protection** : Nitrile gloves recommended – other types may also protect; consult supplier to confirm suitability. Safety glasses with side shields; a face shield is also recommended – always protect the eyes. Wear impermeable (above) apron, boots, & long sleeves if there is any danger of splashing.
- Hygienic measures** : Do not eat or drink while working.

Section 9: Physical and Chemical Properties

- Physical State** : Clear Liquid.
- Specific Gravity @ 25°C** : 1.15 - 1.17
- pH** : 3.0 – 4.0

Section 10: Stability and Reactivity Data

- Stability** : Stable; will not polymerize.
- Hazardous decomposition products** : One apart from Hazardous Combustion Products
- Decomposes in Presence of** : Heat above 215°C / 420°F
- Dangerously Reactive With** : Strong oxidising agents, strong alkalis.

Section 11: Toxicological Information

- Routes of Entry** : Eyes, skin pores, hand to mouth, wounds.
- Toxicity to Animals** : LD50 (oral) - >2100mg/kg (rat).
LD50(skin) - >12,600mg/kg (rabbit)
- Chronic Effects on Humans** : Not available.
- Other Toxic Effects on Humans** : Not available.

Section 12: Ecological Information

- Bioaccumulation** : This product is not a bioaccumulator.
- Mobility in soil, water** : This product is water soluble and will move readily in soil and water.

Section 13: Disposal Considerations

- Waste Disposal** : Disposal according to the local authorities.

Section 14: Transport Information

ADR - Not dangerous goods
RID - Not dangerous goods
MERCOSUR - Not dangerous goods
DOT - Not dangerous goods
IATA - Not dangerous goods
IMDG - Not dangerous goods



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Section 15: Other Regulatory Information

Protective Equipment : Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Other Special Considerations: Not available.

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 salts and chemicals pvt. Ltd. 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 salts and chemicals pvt. Ltd has been advised of the possibility of such damages.