

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-68-6801-005  
Product Type Passivating Pickling Paste

### 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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Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Nitric acid	10-25	7697-37-2	231-714-2	8, 35	O, C
Hydrogen fluoride	2-6	7664-39-3	231-634-8	26/27/28, 35	T+, C
Ammoniumhydrogene difluoride	2.5 -10	-	-	25 - 34	C, T
Proprietary Ingredients	10 - 25	-	-	-	-

## 3. Hazards Identification

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Odour: Unpleasant odour

Appearance: Liquid, viscous, colourless, soluble in water

Contact with eyes: Corrosive to eyes

Contact with skin: Causes burns (R34), Toxic by inhalation, in contact with skin and if swallowed (R23/24/25)

Ingestion: Can cause damage to the stomach lining

## 4. First Aid Measures

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Contact with skin	<ul style="list-style-type: none"><li>- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water</li><li>- Seek medical attention if irritation persists. Use Calcium Gluconate solution / gel for treating any external body part.</li></ul>
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	Rinse skin with plenty of water and if possible with a calcium gluconate gel 10%. Transport immediately to hospital
Contact with eyes	<ul style="list-style-type: none"> <li>- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes , act fast, rinse immediately with plenty of water and seek medical attention.</li> <li>- Irrigate eyes thoroughly whilst lifting eyelids</li> <li>- Seek immediate medical attention</li> </ul>
Ingestion	<ul style="list-style-type: none"> <li>- Do not induce vomiting</li> <li>- Give plenty of water to drink</li> <li>- Use appropriate antacid</li> <li>- Never give anything by mouth to an unconscious person</li> <li>- Seek immediate medical attention</li> </ul>
Inhalation	<ul style="list-style-type: none"> <li>- Inhalation is unlikely to occur</li> <li>- Remove patient to fresh air</li> <li>- Never give anything by mouth to an unconscious person</li> <li>- Give plenty of water to drink</li> <li>- Obtain immediate medical attention</li> </ul>
General	- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

Always ask medical advice as soon as possible should serious or continuous disturbances occur

Skin contact : remove contaminated clothing,

Eye contact : rinse first with plenty of water and seek medical attention

Ingestion : have mouth rinsed and take to hospital immediately

Inhalation : in case of serious or continuous discomforts: remove to fresh air and seek medical attention

## 5. Fire-fighting Measures

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- Non combustible passivating paste is a strong oxidizing agent. Strong oxidizer foam CO<sub>2</sub>, dry powder, fog spray to cool control the fire involve. Do not use water jets

- Smoke from fires is corrosive, Nitrogen oxides may be formed

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

- Smoke from fires is corrosive. Take precautions to protect personnel from exposure

## 6. Accidental Release Measures

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Personal Precautions	- Wear protective clothing as per section 8, Self-contained breathing apparatus, safety gloves and shoes/boots should be worn when handling containers
Environmental Precautions	<ul style="list-style-type: none"> <li>- No special precautions are required for this product</li> <li>- Do not flush spilt material into any public water system</li> </ul>
Immediate Actions	<ul style="list-style-type: none"> <li>- Shut off source of leak if safe to do so</li> <li>- Use appropriate containment to avoid environmental contamination (S57)</li> </ul>
Clean Up Actions	<ul style="list-style-type: none"> <li>- Absorb spillage in inert material and shovel up</li> <li>- Ventilate the area and wash spill site after material pick-up is complete</li> </ul>
Special Precautions	<ul style="list-style-type: none"> <li>- Wear protective clothing as per section 8</li> <li>- Do not use metal containers for spilled liquid</li> </ul>

## 7. Handling and Storage

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Handling	<ul style="list-style-type: none"><li>- Wear protective clothing as per section 8</li><li>- Avoid contact with skin and eyes (S24/25)</li><li>- Eyewash bottles should be available</li></ul> <p>Acid-corrosive. Exercise care in the choice with metals and reactive substances. Store only in original containers. Ensure good housekeeping. <b>STORE AWAY FROM ORGANIC PIGMENTS AND CHEMICALS</b></p>
Storage	<ul style="list-style-type: none"><li>- Keep only in the original container in a cool, well ventilated place (S3/9/49)</li><li>- Opened containers should be carefully resealed and stored in an upright position</li><li>- Recommended storage temperature between 5 and 40 °C</li></ul>

Shelf life: One year in unopened bottle correctly stored

## 8. Exposure controls and personal protection

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Exposure Limits	<ul style="list-style-type: none"><li>- TLV (TWA) 5 mg/m<sup>3</sup> (Nitric acid)</li><li>- STEL 2.5 mg/m<sup>3</sup> (Hydrogen fluoride)</li></ul>
Exposure controls	<ul style="list-style-type: none"><li>- The undiluted product must not be used in a confined space without good ventilation</li></ul>
Occupational exposure controls	<ul style="list-style-type: none"><li>- Where an air-purifying respirator is suitable, use EN141 or EN405, type B</li><li>- Wear face mask giving complete face protection</li><li>- Wear suitable clothing providing resistance to acids</li><li>- Wear plastic or rubber gloves</li></ul>

Visor                      Gloves                      Suit                      Respirator

## 9. Physical and chemical properties

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- Odour: Unpleasant pungent odour

- Appearance: Liquid, viscous, colourless, soluble in water

- pH