Material Safety Data Sheet

RX JELLY Pickling Paste (RXSOL-68-6801-005)

1. Product and Company Identifaction

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 / informationon ingredients

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
Proprietory Ingredients	10 - 25	-	-	-	-

3. Hazards Identification

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

Contact with skin	- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water - Seek medical attention if irritation persists. Use Calcium Gluconate solution / gel for treating any external body part. Rinse skin with plenty of water and if possible with a calcium gluconate gel 10%. Transport immediately to hospital
Contact with eyes	- 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. - Irrigate eyes thoroughly whilst lifting eyelids - Seek immediate medical attention
Ingestion	- Do not induce vomiting - Give plenty of water to drink - Use appropriate antacid - Never give anything by mouth to an unconscious person - Seek immediate medical attention

Inhalation	- Inhalation is unlikely to occur - Remove patient to fresh air - Never give anything by mouth to an unconscious person - Give plenty of water to drink - Obtain immediate medical attention
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 continous discomforts: remove to fresh air and seek medical attention

5. Fire-fighting Measures

- Non combustible passivating paste is a strong oxidizing agent. Strong oxidizer foam CO2, 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

Personal Precautions	- Wear protective clothing as per section 8, Self-contained breathing apparatus, safety gloves and shoes/boots should be worn whenhandling containers
Environmental Precautions	- No special precautions are required for this product - Do not flush spilt material into any public water system
Immediate Actions	- Shut off source of leak if safe to do so - Use appropriate containment to avoid environmental contamination (S57)
Clean Up Actions	- Absorb spillage in inert material and shovel up - Ventilate the area and wash spill site after material pick-up is complete
Special Precautions	- Wear protective clothing as per section 8 - Do not use metal containers for spilled liquid

7. Handling and Storage

Handling	- Wear protective clothing as per section 8 - Avoid contact with skin and eyes (S24/25) - Eyewash bottles should be available Acid-corrosive. Exercise care in the choice with metals and reactive substances. Store only in original containers. Ensure good housekeeping. STORE AWAY FROM ORGANIC PIGMENTS AND CHEMICALS
Storage	- Keep only in the original container in a cool, well ventilated place (S3/9/49) - Opened containers should be carefully resealed and stored in an upright position - Recommended storage temperature between 5 and 40 °C

Shelf life: One year in unopened bottle correctly stored

8. Exposure controls and personal protection

Exposure Limits	- TLV (TWA) 5 mg/m3 (Nitric acid) - STEL 2.5 mg/m3 (Hydrogen fluoride)
Exposure controls	- The undiluted product must not be used in a confined space without good ventilation
Occupational exposure controls	- Where an air-purifying respirator is suitable, use EN141 or EN405, type B - Wear face mask giving complete face protection - Wear suitable clothing providing resistance to acids - Wear plastic or rubber gloves

Visor Gloves Suit Respirator

9. Physical and chemical properties

- Odour: Unpleasant pungent odour

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

- pH 1 at 1 % concentration

- Boiling point - not known

- Vapour pressure 0.01 kPa at 20 deg C

- Vapour density - not known

- Freezing point 0 °C at 760 mm/Hg

- Completely soluble in water

- Specific gravity (water=1) 1.2 - 1.3

- Non combustible

- Viscosity ~ 2000 mPa.s at 20 deg C

10. Stability and reactivity

- No hazardous reactions known if used for its intended purpose

- Avoid overheating, Avoid contact with alkalis (strong bases)

- Contact with alkali metals liberates flammable gas, Incompatible with alkalis (strong bases)

- See Section 5, Decomposition products may include nitrogen oxides

- Contact with nitrite (e.g. Diesel DEWT Guard NB NB, ROCCORRX NB Liquid) liberates toxic gas.

11. Toxicological information

Toxicological information
- LD50 (oral,rat) 680 mg/kg

Inhalation
- Can cause damage to the respiratory system

Contact with skin
- Causes burns (R34)

Contact with eyes
- Causes burns (R34)

Ingestion
- The ingestion of significant quantities may cause damage to digestive system

Carcinogenicity
- No evidence of carcinogenic effects

12. Ecological information

Ecotoxicity
- May cause acute effects in the aquatic environment
- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Mobility
- Completely soluble in water

Persistence and Biodegradability
- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential
- Bioaccumulation of the components in this product is insignificant.

Other Adverse Effects
- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.
- Presents little or no hazard to the aquatic environment

13. Disposal considerations

Classification
- EU Waste class: 06.01
- This material and/or its container must be disposed of as hazardous waste

Disposal considerations
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

14. Transport information

Proper Shipping Name: HYDROFLOURIC ACID

Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Hydrofluoric acid, Nitric acid, mixture)
UN No.: 2922
Hazard Class: 8 Packing Group: II

Road/Rail (ADR/RID)
Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Hydrofluoric acid, Nitric acid, mixture)
ADR UN No.: 2922
ADR Hazard Class: 8 Tremcard: 80S2922-II

UN No. 2031

IMO class 8
EA code 154
Hazchem code 2(x)
Kemler 80
Packing group 11
ERG NO 154

Sea (IMDG)
Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Hydrofluoric acid, Nitric acid, mixture)
IMDG UN No.: 2922
IMDG Hazard Class.: 8 IMDG Pack Group.: II
IMDG EmS: F-A, S-B IMDG subrisk: 6.1
IMDG Labels: 8, 6.1 IMDG Flashpoint: N/A

Air (ICAO/IATA)
Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Hydrofluoric acid, Nitric acid, mixture)
ICAO Un No.: 2922
ICAO Hazard Class.: 8 ICAO Packing Group.: II
ICAO subrisk: 6.1 ICAO Labels: 8,6.1, CAO
ICAO Flashpoint: N/A

DOT / CFR (US Department of Transportation
DOT Proper Shipping Name: Corrosive liquid, toxic, n.o.s. (Hydrofluoric acid, Nitric acid, mixture)
Hazardous Material: Hydrofluoric acid, Nitric acid
Hazard Class: 8 Identification Number: UN 2922
Product RQ (lbs): 5000 DOT subrisk: 6.1
DOT Labels: 8, 6.1 DOT Flashpoint: N/A

15. Regulatory information

Risk Phrases
- Toxic by inhalation, in contact with skin and if swallowed (R23/24/25)
- Causes severe burns (R35)

Safety Phrases
- Keep container tightly closed and at a temperature not exceeding 45 °C (S7/47)
- Do not breathe vapour/fumes (S23)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16. Other information

Information contained in this publication is accurate at the date of publication .The company does not accept liability arising from the use of this information, or the use ,application, adaptation or process of any products described herein.

(R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed. R35: Causes severe burns. R8: Contact with combustible material may cause fire.) The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents.The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer. This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC) This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

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