

# Clean GEL (RXSOL-16-6801-005)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

## 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

|              |                   |
|--------------|-------------------|
| Product Name | RXSOL-16-6801-005 |
| Product Type | CLEAN GEL         |

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 |
|-----------------------------------|---------------|------------|-----------|-----------|---------|
| Mixture of Acidified Fatty Alcoho | 15-25         | N.A        | N.A       | 8, 35     | O, C    |
| Surfactant Blend                  | 60-90         | -          | -         | -         | -       |
| 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>                              |
| 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)                                                                                                                                                                 |

## 5. Fire-fighting Measures

[www.rxmarine.com](http://www.rxmarine.com)

- 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

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|                           |                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions      | <ul style="list-style-type: none"> <li>- Wear protective clothing as per section 8, Self-contained breathing apparatus, safety gloves and shoes/boots should be worn when handling containers</li> </ul> |
| 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

[www.rxmarine.com](http://www.rxmarine.com)

|          |                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. STORE AWAY FROM ORGANIC PIGMENTS AND CHEMICALS</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 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

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- 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

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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

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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

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

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

[www.rxmarine.com](http://www.rxmarine.com)

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

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