



# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

**RXSOL-20-2015-050**

Alkleen Heavy Duty Liquid

## Material Safety Data Sheet (MSDS)

### 1. Product and Company Identification

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

|              |                                                       |
|--------------|-------------------------------------------------------|
| Product Name | Ultrasonic Non Ammoniated Clock Cleaning Solution 677 |
| Part Number  | RXSOL-10-3006-007                                     |

#### Company Details:

RXSOL CHEMO PHARMA INTERNATIONAL  
356 TTC INDUSTRIAL AREA MIDC PAVNE ,  
NEW BOMBAY 400709 INDIA

|         |                                                    |
|---------|----------------------------------------------------|
| Phone   | +91 22 20871200 - 1400                             |
| Fax     | +91 22 27612100 ::AOH :0091 9821214367             |
| Email   | 123@rx-sol.com                                     |
| Website | <a href="http://www.rx-sol.com">www.rx-sol.com</a> |

### 2. Composition / Information on ingredients

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

| Chemical Name                   | Cas No     | Whight  |
|---------------------------------|------------|---------|
| Mineral Spirits Regular         | 8052-41-3  | 60-70 % |
| Solvent Naphtha Light Aliphatic | 64742-89-8 | 15-20 % |
| Oleic Acid                      | 112-80-1   | 5-10 %  |
| Isopropanolamine                | 78-96-6    | 1 - 5 % |
| 2 Propoxyethanol                | 2807-30-9  | 1 - 5 % |
| Ammonium Hydroxide              | 1336-21-6  | 1 - 5 % |

### 3. Hazards Identification

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

|                   |                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word       | Warning                                                                                                                                                                                                               |
| Hazard statements | H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statement | P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 4. First Aid Measures

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

|               |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Exposure  | Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.                              |
| Skin Exposure | Wash thoroughly with water. If irritation or redness develops, seek medical attention.                                                          |
| Inhalation    | If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues. |
| Ingestion     | Seek immediate medical attention. DO NOT INDUCE VOMITING.                                                                                       |

#### 5. Fire-fighting Measures

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

|                                    |                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media       | Extinguish with dry chemical, CO2 or a BC/ABC extinguisher.                                             |
| Unsuitable Extinguishing Media     | Do not use a solid stream of water, since the stream will scatter and spread the fire.                  |
| Special Fire Fighting Procedures   | Wear full protective clothing and self-contained breathing apparatus (SCBA) approved for fire fighting. |
| Unusual Fire and Explosion Hazards | Closed containers may explode due to build up of pressure when exposed to extreme heat.                 |
| Hazardous Decomposition Materials  | under fire conditions) Oxides of nitrogen and carbon.                                                   |

#### 6. Accidental Release Measures

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

|                                        |                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Cleanup and Disposal of Spill          | Ventilate area of spill. Use non-reactive material to pick up spill. Dispose of in accordance with local, state and federal regulations. |
| Environmental and Regulatory Reporting | Not required                                                                                                                             |

#### 7. Handling and Storage

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

|                                      |                                           |
|--------------------------------------|-------------------------------------------|
| Minimum/Maximum Storage Temperatures | 39 to 100 o F.                            |
| Handling                             | AVOID CONTACT WITH SKIN, EYES OR CLOTHING |

#### 8. Exposure controls and personal protection

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

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations. |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure Guidelines   | Exposure limits are recommended worker breathing limits. The following limits apply to this material: INGREDIENTS LIMITS INGREDIENTS LIMITS Mineral Spirits 100 ppm OSHA/ TWA 2 Propoxyethanol 2 mg /m3 ACGIH TWA Solvent Naphtha 300 ppm OSHA/ ACGIH TWA Ammonium Hydroxide 50 ppm (as ammonia) Oleic Acid None established Isopropanolamine PEL Proposed 7.3 mg/m3 |
| Engineering Controls  | Provide adequate room ventilation.                                                                                                                                                                                                                                                                                                                                   |
| Respiratory Controls  | For reasonable uses of this material, respiratory protection should not be necessary.                                                                                                                                                                                                                                                                                |
| Eye/Face Protection   | Safety glasses to protect from splashing.                                                                                                                                                                                                                                                                                                                            |
| Skin Protection       | Wear Rubber or plastic gloves to avoid drying and irritation to the skin                                                                                                                                                                                                                                                                                             |
| Work Practice Control | Normal hygiene in the work area should be taken when working with or handling this product.                                                                                                                                                                                                                                                                          |

## 9. Physical and chemical properties

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

|                                              |                           |
|----------------------------------------------|---------------------------|
| Physical state                               | Liquid                    |
| Colour                                       | Pale Yellow to Amber      |
| Odour                                        | Characteristic            |
| Odor Threshold                               | Not available             |
| pH                                           | 11.2                      |
| Specific Gravit                              | 0.795                     |
| Boiling Point                                | >212 ° F                  |
| Flash Point                                  | 75 ° F(23.9° C)           |
| Flammability                                 | Lower: 1% Upper: 8%       |
| Explosive limits                             | No Data Available         |
| Upper/lower flammability or explosive limits | No data available         |
| Autoignition temperature                     | No data available         |
| Decomposition temperature                    | No data available         |
| Density                                      | No data available         |
| Vapor pressure                               | No data available         |
| Vapor Density                                | Not applicable            |
| Relative Vapor Density                       | (>) 1 Air=1               |
| Specific Gravity                             | No information available  |
| Partition coefficient                        | No data available         |
| Explosive properties                         | No data available         |
| Solubility                                   | Forms an emulsion         |
| Ignition temperature                         | No information available. |
| Particle characteristics                     | No data available         |

## 10. Stability and reactivity

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

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Reactivity                       | There are no known reactivity hazards associated with this product.                                       |
| Stability                        | Stable at normal ambient temperatures and when used as recommended.                                       |
| Hazardous reactions              | Hazardous polymerization does not occur.                                                                  |
| Conditions to avoid              | Incompatible products.                                                                                    |
| Incompatible materials           | Avoid contact with acids. Avoid contact with strong oxidisers. Avoid contact with strong reducing agents. |
| Hazardous decomposition products | Thermal Oxides of carbon and nitrogen                                                                     |

## 11. Toxicological information

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

|                                |                                                                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Eye Irritation           | Irritating to eyes                                                                                                                                                                               |
| Acute Skin Irritation          | No test data found for product.                                                                                                                                                                  |
| Acute Dermal Toxicity          | No test data found for product.                                                                                                                                                                  |
| Acute Respiratory Irritation   | No test data found for product.                                                                                                                                                                  |
| Acute Inhalation Toxicity      | No test data found for product.                                                                                                                                                                  |
| Acute Oral Toxicity LD50 (rat) | Mineral Spirits > 5 gm/kg 2-Propoxyethanol = 3089 mg/kg Solvent Naphtha > 8,000 mg / kg Ammonia = 350mg/kg Oleic Acid > 5 gm/kg Isopropanolamine = 2098 mg/kg                                    |
| Chronic Toxicity               | This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product. |

## 12. Ecological information

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

|                              |                |
|------------------------------|----------------|
| Ecotoxicological Information | No data found. |
|------------------------------|----------------|

## 13. Disposal considerations

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

### Waste treatment methods

|                  |                                                                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal methods | This material is a flammable liquid and must be disposed in accordance with all local, state and federal regulations. IT CAN NOT BE DISPOSED OF IN A SANITARY SEWER SYSTEM |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 14. Transport information

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

| UN number                    | ADR/RID 1993                                                                                                                           | IMDG 1993   | IATA 1993 |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| UN proper shipping name      | ADR/RID: Flammable liquid n.o.s MDG:Flammable liquid n.o.s IATA:Flammable liquid n.o.s                                                 |             |           |
| Transport hazard class(es)   | ADR/RID: 3                                                                                                                             | MDG: 3      | IATA:3    |
| Packaging group              | ADR/RID:III                                                                                                                            | IMDG: III   | IATA: III |
| Environmental hazards        | ADR/RID: - yes                                                                                                                         | IMDG: - yes | IATA: -no |
| Special precautions for user | EmS F-A, S-A ADR transport category 2 Emergency Action Code 2X Hazard Identification Number (ADR/RID) 60 Tunnel restriction code (D/E) |             |           |

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| Further information | Not classified as dangerous in the meaning of transport regulations. |
|---------------------|----------------------------------------------------------------------|

## 15. Regulatory information

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

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Inventory Issues | All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings |
|------------------|-------------------------------------------------------------------------------------------------------------------|

## 16. Other information

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

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Information | <p>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 we 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 RXSOL CHEMO PHARMA INTERNATIONAL has been advised of the possibility of such damages.</p> <p><b>DISCLAIMER OF LIABILITY :</b> The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p> |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

This Safety Data Sheet is provided by RXSOL. For the most current version of this document, please visit [varanasichemical.com](http://varanasichemical.com). This document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.