Material Safety Data Sheet

Ultrasonic Non Ammoniated Clock Cleaning Solution 677 (RXSOL-10-3006-007)

1. Product and Company Identifaction

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

Company Details:

RXSOL CHEMO PHARMA INTERNATIONAL
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2. Composition / informationon ingredients

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

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

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

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

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

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

8. Exposure controls and personal protection

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 I NGREDIENTS 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

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

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

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

Ecotoxicological Information	No data found.

13. Disposal considerations

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

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

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

16. Other information

Other Information

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 weassume 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 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.

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