Material Safety Data Sheet

Nitro Cellulose Thinner (RXSOL-18-1014-180)

1. Product and Company Identifaction

Product Name	Nitro Cellulose Thinner
Product Type	RXSOL-18-1014-180

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Kolkata, CHennai, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 27815541 / 42 / 43
Email	mail@rxmarine.com

2. Composition / informationon ingredients

INGREDIENT	CAS#	Wt%
Alcohol Mixture	108-88-3	30-40
Acrylic Mixture	79-10-7	5-10
ACRYLAMIDO	15214-89-8.	2-5

3. Hazards Identification

Potential Physical Effects:	Highly flammable liquid and vapor
Potential Health Effects:	
Oral:	May be harmful if swallowed
Dermal:	Causes skin irritation
Eye	Causes eye irritation
Inhalation:	May be harmful if inhaled. Burns and irritation to respiratory tract Causes damage to the nervous system
Chronic:	May damage fertility or the unborn child
Potential Environmental Effects:	Harmful to aquatic life with long lasting effects.

4. First Aid Measures

AFTER INHALATION:	Remove victim from the exposure. Give artificial respiration if not breathing. Supply fresh air. Prevent aspiration of vomit, turn victim's head to side. Seek medical advice.
AFTER SKIN CONTACT:	Remove all contaminated clothing and wash before use. Flush affected area with water for at least 15 minutes. Wash contaminated skin with water and soap and rinse thoroughly. Do not use ointments or greases. Destroy contaminated leather apparel. Seek medical advice.
AFTER EYE CONTACT:	Immediately rinse opened eye for at least 15 minutes under running water. Immediately remove contact lenses if present and easy to do so. Continue rinsing. Seek immediate medical advice.
AFTER SWALLOWING:	If the victim is conscious, administer 3-4 glasses of milk or water. Do not induce vomiting. Seek immediate medical advice.

5. Fire-fighting Measures

EXTINGUISHING AGENTS:
Use fire fighting measures that suit the environment. Ignition will give rise to a Class B fire. In case of fire, suitable extinguishing agents are: water spray, alcohol resistant foam for large scale fires, for small fires, dry chemicals or fire-extinguishing powder, and carbon dioxide (CO_2).

FIRE-FIGHTING PROCEDURES:
Isolate fire and deny unnecessary entry. Keep people away. Eliminate all ignition sources if safe to do so. Do not extinguish fire unless flow can be stopped. Fight fire remotely. Use water to cool fire exposed container and fire affected zone until fire is out and danger of re-ignition has passed. Move container from fire area if possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Fight fire from protected location or safe distance.
Contain fire water run-off if possible. Fire run-off, if not contained, may cause environmental damage.

SPECIAL HAZARDS ARISING IN FIRE:
Caution! Highly flammable liquid or vapor. May generate toxic or irritating combustion products. Contact of liquid with skin should be prevented. Sudden reaction and fire may result if mixed with an oxidizing agent. May generate carbon monoxide, nitrogen oxide and ammonia gas. Personnel in vicinity downwind should be evacuated.

ADVICE FOR FIREFIGHTERS:
Wear protective gloves, eye and face protection. As with any fire, wear self- contained breathing apparatus pressure demand (MHSA/NIOSH approved or equivalent) and full protective gear. If protective equipment is not available not used, fight fire from a protected location or safe distance.

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Caution! Highly flammable liquid or vapor; wear fire resistant or retardant clothing during clean up. Avoid contact with skin, eyes and clothing. Do not breathe fumes or vapors if inhalable fumes or vapors may occur during use.
PROTECTIVE EQUIPMENT:	Wear appropriate personal protective equipment (PPE); See Section 8 for relevant information.
ENVIRONMENTAL PRECAUTIONS:	Do Not allow substance/mixture to penetrate the ground/soil. Inform respective authorities in case of any seepage into the environment.authorities in case of any seepage into the environment.
METHODS FOR CLEANING UP:	Ensure adiquate ventilation .Elliminate all ignition sources . Use absorbaint paper to pick up the spilled substance/mixture. Ventilate and wash area after clean-up is complete. Collect in suitable and properly labeled containers. Solvents are not recommended for clean-up unless recommended exposure guidelines and safe handling practices for the specific solvents are followed. Dispose of contaminated chemical as waste according to Section 13.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:
Caution! Highly flammable liquid or vapor. Keep away from heat, sparks, open flame and other ignition sources. Protect against electrostatic charges during handling. Metal containers involved must be grounded and bonded. Use only non-sparking tools and equipment, especially when opening or closing containers of combustible contents. Do not handle until all safety precautions have been read and understood. Wash hands and skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear proper protective equipment (PPE) when handling materials. See Section 8 for specific PPE. Keep away from heat, sparks, flames, and any other ignition sources.

STORAGE CONDITIONS:
Store in accordance with local, regional, national, and international regulations. Caution! Highly flammable liquid or vapor; keep away from heat, sparks, open flame and other ignition sources during storage. Store away from food and beverages. Store away from incompatible materials.

8. Exposure controls and personal protection

GENERAL PROTECTIVE AND HYGENIC MEASURES:
Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with eyes and skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE):
Material properties and human health hazards have not been fully evaluated. As a minimum precaution, always wear safety glasses or goggles and suitable hand protection such as nitrile, butyl rubber, or neoprene gloves. The selection of glove material should take into consideration the penetration times, rates of diffusion, and the degradation. PPE recommendation are only guidelines and may not apply to every situation.

9. Physical and chemical properties

Information on basic physical and chemical properties:

COLOR:	Colorless
ODOR:	Characteristic

FORM:	Liquid
SPECIFIC GRAVITY	0.81 g/cm3
pH VALUE	Not determined
MELTING POINT	Not determined
BOILING POINT:	>230 F
FLASH POINT:	> 39 F
IGNITION TEMPERATURE:	Not determined
LOWER EXPLOSION LIMIT:	0.7 vol%
UPPER EXPLOSION LIMIT:	7.1 vol%
VAPOR PRESSURE	Not determined
VAPOR DENSITY:	Not determined

10. Stability and reactivity

CHEMICAL STABILITY: Caution! Highly flammable liquid or vapor. Keep away from heat, sparks, open flame and other ignition sources.

THERMAL DECOMPOSITION: Thermally decomposes during fire or high heat. Keep away from heat, sparks, flame, and any other ignition sources.

INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids

11. Toxicological information

ACUTE TOXICITY:
ORAL: > 2000 mg/kg (rat) (Alcohol), Heavy alkylate) 4800 mg/kg (rat)
DERMAL: > 2000 mg/kg (rat) (Alcohol), Heavy alkylate) 12267 mg/kg (rabbit)

ACUTE TOXICITY (Cont.) :

INHALATIVE:	LC50/ 1hour greater than near-saturated vapor concentration. (rat) (Alcohol), Heavy alkylate) 18 mg/l (rat)
CARCINOGENICITY:	None of the components was listed as a carcinogen in concentration of 0.1 percent or greater.
REPROUDUCTIVE TOXICITY:	This product contains (Alcohol), Heavy alkylate) as a known chemical to cause reproductive toxicity for females by the State of California 65.

12. Ecological information

AQUATIC TOXICITY:

Fish	LC/EC/IC50 > 1000 mg/l (Alcohol), Heavy alkylate) LC50 (96 hrs) = 5.5 mg/l(TOLUENE)
CRUSTACEAN:	LC/EC/IC50 > 1000 mg/l (Alcohol), Heavy alkylate) LC50 (48 hrs) = 3.8 mg/l (TOLUENE)
ALGAE:	LC/EC/IC50 > 1000 mg/l (Alcohol), Heavy alkylate) LC50 (3 hrs) = 207mg/l (TOLUENE)
BIODEGRADATION:	Not determined
ENVIRONMENTAL EFFECTS:	Harmful to aquatic life with long lasting effects.

13. Disposal considerations

HAZARDOUS WASTE AND TREATMENT:
Do not allow product to reach ground/soil, sewage system, or any water course.Do not dispose with household garbage. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted incinerator or other thermal destruction facility. Dispose of contents/containers in accordance with local, regional, national, and international regulations.

14. Transport information

DOT DOMESTIC TRANSPORT:

HAZARD CLASS:	3
ID NUMBER:	UN1993

PACKING GROUP	
Label	3 Flammable liquids
PROPER SHIPPING NAME:	FLAMMABLE LIQUIDS, N.O.S.(Alcohol), Heavy alkylate)

IMDG MARITIME TRANSPORT:

HAZARD CLASS:	3
ID NUMBER:	UN1993
PACKING GROUP	
Label	3 Flammable liquids
PROPER SHIPPING NAME:	FLAMMABLE LIQUIDS,N.O.S.(Alcohol), Heavy alkylate)

ICAO-TI AND IATA-DGR AIR TRANSPORT:

HAZARD CLASS:	3
ID NUMBER:	UN1993
PACKING GROUP	
Label	3 Flammable liquids
PROPER SHIPPING NAME:	FLAMMABLE LIQUIDS, N.O.S.(Alcohol), Heavy alkylate)

15. Regulatory information

TSCA 8 (b) Inventory Status:
All components are listed. TSCA 12 (b) Export Notification: None. CERCLA/SARA Section 302 EHS: None. CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire CERCLA/SARA 313: TOLUENE (108-88-3)

California Proposition 65:
This product contains a chemical known to the State of California to cause reproductive toxicity for females: TOLUENE (108-88-3) Carcinogenic Categories · EPA (Environmental Protection Agency): TOLUENE (108-88-3), Group II (Not expected to be a human carcinogen) · IARC (International Agency for Research on Cancer): TOLUENE (108-88-3), Group 3 (Not classifiable as to its carcinogenicity to humans) · NTP (National Toxicology Program): None · TLV (Threshold Limit Value Established by ACGIH): TOLUENE (108-88-3), Group A4 (Not expected to be a human carcinogen

16. Other information

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.

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