Material Safety Data Sheet

NC Cleaning Solvent (RXSOL-16-1748-005)

1. Product and Company Identifaction

Product Name	NC Cleaning Solvent
Product Type	**RXSOL-16-1748-005**

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
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2. Composition / informationon ingredients

None established by OSHA or ACGIH for components of the mixture:
Does not contain carcinogens per OSHA, NTP or IARC. No components of this blend are reportable for spills or losses under SARA Sect. 313, SARATPQ, CERCLA RQ or other US regulations. Contains > 30 % N-Methylpyrrolidone (CAS # 872-50-4) which requires reporting under the PA and Massachusetts Right-To-Know laws, but not under Federal or international regulations.

3. Hazards Identification

Threshold Limit Value: None established for components of the blend.

Effects of Overexposure: Contact of liquid with the eyes will cause irritation. Prolonged and repeated exposure or very high vapor concentrations may cause headaches, nausea and vomiting. Prolonged contact with the liquid defats the skin. Ingestion causes a low order of toxicity (LD50 for white rats is 5.4 grams/ KG weight)
Emergency & First Aid Procedures: Excessive vapor exposure—remove patient to fresh air and give artificial respiration if not breathing. Get medical attention if symptoms persist. Wash from eyes and skin with lots of water. If eye irritation persists see a physician. Immediately remove contaminated clothing and wash before reuse. If swallowed drink water and induce vomiting and get medical attention.

Carcinogenicity: NA

4. First Aid Measures

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Get medical attention.

Ingestion: Not relevant

Skin contact: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed:

Indication of any immediate medical attention treatment needand special: Treat Symptomatically.

5. Fire-fighting Measures

Flash Point (F) / Method: Over 210 F—TCC

Flammable Limits: Lower 1.3% upper 9.5%

Extinguishing Media: Dry chemical, foam, water as a fine spray, CO2

Special Fire Fighting Procedures: Spray exposed containers to prevent rupture during a fire. Don't use high pressure water directly on fire. It could cause the fire to spread before solvent dissolves in water and becomes nonflammable. Water spray use only by experienced fire fighters.

Unusual Fire &Explosion Hazards: Vapors are heavier than air and can concentrate in low areas during fires. Use air supplied face mask and protective clothing for major fire exposure.

6. Accidental Release Measures

Steps to be taken if material is released or spilled: For large spills wear a self-contained air breathing apparatus, rubber gloves, and rubber footwear and eye protection. Remove sources of ignition from spill area. Dike spill to prevent ground water or sewer contamination. Pick up excess with mop, wet-vac or absorbent. Treat remaining liquid with an absorbent and place in a drum for disposal. Wash small spills and residues to sewer. Biodegradable.

Waste disposal method: Incinerate where allowed, send to a licensed solvent recover, or dispose of in a hazardous wast landfill. Follow all local, State and Federal regulations for disposal.

7. Handling and Storage

Precautions for safe handling: Avoid spilling, skin and eye contact. Provide good ventilation.

Conditions for safe storage, including any incompatibilities: Store at moderate temperatures in dry, well ventilated area.

Specific end use(s): The identified uses for this product are detailed in Section 1.2

8. Exposure controls and personal protection

Respiratory Protection: Self contained breathing apparatus for heavy vapors

Ventilation: Yes, Local Exhaust for inside use, to maintain low vapor levels.

Protective Gloves: Yes rubber or vinyl

Eye Protection: Yes glasses or goggles Other Protective Equipment: Water source for eye and skin ashing. Complete protective gear for major exposure and fires.

9. Physical and chemical properties

Boiling Point (F):	355-455 F
Vapor Pressure:	> 1 mm @ 68F
Vapor Density:	Heavier than air.
Solubility In Water:	100%
Appearance / Odor: .	clear liquid, very low solvent odor
Specific Gravity:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	not applicable

Evaporation rate	No data available.
Boiling point:	No data available
Flash point:	No data available
Self ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	0.9692
% Volatile:	100% above 455 F
Evaporation Rate:	(water=1) 0.1
VOCS:	7.24 lb/gal
Other:	Vapor Pressure = 0.2 mm @ 20 C

10. Stability and reactivity

Stability: Stable
Conditions to Avoid:

Incompatibility: Strong oxidizers
Hazardous Decomposition Products: CO2 and Nitrogen oxides from combustion
Hazardous Polymerization: Will not occur

11. Toxicological information

Information on toxicological effects:
Other Health Effects: This substance has no evidence of carcinogenic properties.

Inhalation: Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

FLUXCLENE CLEANING SOLVENT (Combi):
Skin contact: May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation. Product. defatting effect on skin. Prolonged contact may cause dryness of the skin.

Eye contact: Irritating to eyes.

Route of entry: Skin and/or eye contact. Inhalation.

Toxicological information on ingredients:

Toxic Dose 1 - LD 50	:222 mg/kg (ivn-mouse)

Toxic Conc. - LC 50	:103 ppm/4h (inh-rat)
Toxic Dose 1 - LD 50	:28700 mg/kg (oral rat)
Toxic Conc. - LC 50	:48000 ppm/4h (inh-rat)

Acute toxicity:

Acute Toxicity (Oral LD50)	: 5280 mg/kg Rat
Acute Toxicity (Dermal LD50)	: 12800 mg/kg Rabbit
Acute Toxicity (Inhalation LC50)	: 72.6 mg/l (vapours) Rat 4 hours
Toxic Dose 1 - LD 50	: 5200 mg/kg (oral rat)
Toxic Dose 2 - LD 50	: 11700 mg/kg (oral-mouse)

Acute toxicity:

Acute Toxicity (Oral LD50)	:5300 mg/kg Rat
Acute Toxicity (Dermal LD50)	:>5000 mg/kg Rabbit

12. Ecological information

Ecotoxicity: Dangerous for the environment if discharged into watercourses.
Toxicity:Ecological information on ingredients:
LC 50, 96 Hrs, Fish mg/l4.924
Acute Toxicity - Fish
LC50 96 hours 9640 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates:
EC50 48 hours 13299 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants:
EC50 72 hours > 1.000 mg/l Scenedesmus subspicatus

Acute Toxicity - Microorganisms:
EC50 > 1.000 mg/l Activated sludge
LC 50, 96 Hrs, Fish mg/l: 20800
LC 50, 96 Hrs, Fish mg/l: 20800

Acute Toxicity - Fish:
LC50 96 hours 0.71 mg/l Pimephales promelas (Fat-head Minnow).

Aquatic InvertebratesAcute Toxicity :
EC50 0.4 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants:
IC50 4 mg/l Selenastrum capricornutum.

Persistence and degradability:
Degradability:
There are no data on the degradability of this product.

Bioaccumulative potential:
No data available on bioaccumulation

Mobility in soil:
Results of PBT and vPvB assessment:
This product does not contain any PBT or vPvB substances.
Other adverse effects

13. Disposal considerations

General information: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements. Empty containers must not be burnedbecause of explosion hazard..

14. Transport information

General:
This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1litre packed in cartons of less than 30kg gross to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed must show the following

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

Transport hazard class(es):

ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

Packing group: Not applicable.
Special precautions for user:

EMS	**F-D, S-U**
Tunnel Restriction Code	**(D)**

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Statutory Instruments: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Guidance Notes: Workplace Exposure Limits EH40.

Authorisations (Title VII Regulation 1907/2006): No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006): No specific restrictions of use are noted for this product.

Chemical Safety Assessment: No chemical safety assessment has been carried out.

16. Other information

Disclaimer

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. 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.