Material Safety Data Sheet

Cooler Cleaner PWD (RXSOL-16-1753-025)

1. Product and Company Identifaction

Product Name	**Cooler Cleaner PWD**
Product Type	**RXSOL-16-1753-025**

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

Mixtures:
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Concentration:	60-100%
CAS Number:	Not applicable
EC Number:	919-164-8
R/H Phrases:	R65, R66 - H304, H412, EUH066
Symbols:	GHS08
Categories:	Asp. Tox. 1, Aquatic Chronic 3
REACH NO:	01-21194739 77-17-0004

Fatty alcohol ethoxylates:

Concentration:	1-5%
CAS Number:	160875-66-1
EC Number:	Not applicable
R/H Phrases:	R22, R41
Symbols:	Xn, GHS05, GHS07
Categories:	Acute Tox. 4, Eye Dam. 1

3. Hazards Identification

Classification of the substance or mixture:

Refer to current The Dangerous Substances Directive (67/548/EEC)

Counsil Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

Symbols: Xn, N

Harmful: may cause lung damage if swallowed (R65), Repeated exposure may cause skin dryness or cracking (R66)

Classification according to Regulation (EC) No 1272/2008

Symbols: GHS07, GHS08
Signal Word: Danger

Hazards identification (....):
- Asp. Tox. 1
- Aquatic Chronic 3
- Eye Irrit. 2

Label elements
- Signal Word: Danger
- Asp. Tox. 1
- Aquatic Chronic 3
- Eye Irrit. 2

- Contains:
- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Fatty alcohol ethoxylates

- Hazard phrases:
May be fatal if swallowed and enters airways (H304). Repeated exposure may cause skin dryness or cracking (EUH066). Harmful to aquatic life with long lasting effects (H412).Causes serious eye irritation (H319).

- Precautionary Phrases:
Wear protective gloves/protective clothing/eye protection/face protection (P280). Avoid breathing dust/fume/gas/mist/vapours/spray (P261). IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331). Immediately call a POISON CENTER or doctor/physician (P310).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338). Dispose of contents/container to an authorised waste collection point (P501)

Other hazards:
- Appearance: Liquid
- Odour: Characteristic odour, Hydrocarbon odour
- Inhalation: May cause nausea/vomiting, May cause headache
- Not a PBT according to REACH Annex XIII

4. First Aid Measures

Description of first aid measures:
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing (P304+P341).
- Seek medical advice

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- If eye irritation persists: Get medical advice/attention (P337+P313).

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Take off contaminated clothing and wash before reuse (P362).

- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Get immediate medical advice/attention (P315).

Most important symptoms and effects, both acute and delayed:
- Severely irritating to eyes
- In cases of severe exposure, breathing difficulty may develop
- In cases of severe exposure, nausea/vomiting may develop
- In cases of severe exposure, headache may develop
- The ingestion of significant quantities may cause chronic pneumonitis

Indication of any immediate medical attention and special treatment needed:
- No information available

5. Fire-fighting Measures

Extinguishing media	-In case of fire: use carbon dioxide or dry agent for extinction (P370+P378) -In case of fire: use foam for extinction (P370+P378) -In case of fire: use dry powder/BCF for extinction (P370+P378)
Special hazards arising from the substance or mixture	-Keep container(s) exposed to fire cool, by spraying with water -May form explosive mixtures with air -Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
Advice for firefighters	- Avoid release to the environment (P273). - Wear chemical protection suit and positive - pressure breathing apparatus

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	-Do not get in eyes, on skin, or on clothing (P262). -Ensure adequate ventilation -Wear protective clothing as per section8
Environmental Precautions	-Avoid scattering in the environment
Methods and material for containment and cleaning up	-Wear protective clothing as per section8 -Shut off all ignition sources -Absorb spillage in earth or sand -Place in appropriate container -Remove contaminated material to safe location for subsequent disposal -Ventilate the area and wash spill site after material pick-up is complete
Reference to other sections	-See Section 13

7. Handling and Storage

Precautions for safe handling	-Wear protective clothing as per section8 -Do not get in eyes, on skin, or on clothing (P262). -Eyewash bottles should be available -Ensure adequate ventilation
Conditions for safe storage, including any incompatibilities	-Keep in a cool, dry, well ventilated place -Keep only in original container (P234). -Store in a well-ventilated place. Keep cool (P403+P235).
Specific end use(s)	-Contact supplier for further information

8. Exposure controls and personal protection

Control parameters	-TLV (TWA) 275 mg/m3 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
Exposure controls	-If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

Occupational exposure controls	Eyewash bottles should be available -Wear protective gloves/protective clothing/eye protection/face protection (P280). -Wear suitable respiratory protection. Gas cartridge (organic substances). - Wear nitrile gloves - Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. -Wear goggles giving complete eye protection -Wash hands and working surfaces thoroughly after handlin (P264).

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:	Liquid, yellow
Odour:	Characteristic odour, Hydrocarbon odour
Solubility in water:	Completely soluble in water
Boiling Point/Range: Boiling point	150 °C to 230 °C at 760 mm /Hg
Density: Density	0.8 g/cm3 at 20 deg C
Vapour Density: Vapour density (air = 1)	>1
Evaporation Rate: Evaporation rate	(Butyl acetate = 1) 0.03
Flammability: Flash point	>61 deg C (CC)
Autoflammability: Auto-ignition point	>200 deg C
Lower flammability limit	0.6%(in air),
Upper flammability limit	7.0%(in air)

Other information:
No information available

10. Stability and reactivity

Reactivity	No hazardous reactions known if used for its intended purpose
Chemical stability	This article is considered stable under normal conditions

Possibility of hazardous reactions	No information available
Conditions to avoid	Avoid overheating Keep away from heat and sources of ignition
Incompatible materials	None
Hazardous Decomposition Products	Carbon oxides may be formed

11. Toxicological information

Information on toxicological effects	- LD50 (oral,rat) (Fatty alcohol ethoxylate) 300-2000 mg/kg - LD50 (oral,rat) (Hydrocarbones) >5000 mg/kg
Contact with eyes	-Causes severe irritation
Contact with skin	-Prolonged skin contact will result in defatting of the skin, l eading to irritation, and in some cases, dermatitis -Repeated exposure may cause skin dryness or cracking (EUH066).
Ingestion	- May cause chronic pneumonitis - May cause headache - May cause nausea/vomiting
Inhalation	- May cause nausea/vomiting - May cause dizziness, confusion, headache or stupor

12. Ecological information

Toxicity	-LC50 (fish) (Fatty alcohol ethoxylate) 10-100 mg/l (96 hr) -LC50 (fish) (Hydrocarbones) 10-100 mg/l (96 hr)
Persistence and degradability	-The components in this product are readily biodegradable.
Bioaccumulation Potential	-Hydrocarbon solvents have the potential to bioaccumilate.
Mobility in soil	-Large volumes may penetrate soil and contaminate groundwater
Results of PBT and vPvB assessment	-Not a PBT according to REACH Annex XIII
Other Adverse Effects	-No information available

13. Disposal considerations

Waste treatment methods:
- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point (P501)

Classification:
- EU Waste class: 07 01 04

14. Transport information

Not classified as hazardous for transport:
Not classified as hazardous for transport

UN:
- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Environmental hazards:
- Not Classified

Special precautions for user:
- Not Classified

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:
- Not applicable

Road/Rail (ADR/RID):
- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

Sea (IMDG):
- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable

Air (ICAO/IATA):
- ICAO Un No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

DOT / CFR (US Department of Transportation):
- Identification Number: Not applicable
- DOT Proper Shipping Name: Not applicable

15. Regulatory information

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

- Counsil Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to The Dangerous Substances Directive (67/548/EEC)
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Composition information in accordance with EC Regulation 648/2004 of the European

Parliament and of the Council of 31st March 2004 on detergents:

- Aliphatic hydrocarbons >30 %
- Nonionic surfactants 5 %
- Anionic surfactants 5 %
- Aromatic hydrocarbons 10-30 %
- Offshore product registration number: Danish PR number: 1361802

Chemical Safety Assessment:

- None

16. Other information

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.

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