Material Safety Data Sheet

Piston Carbon Cleaner (RXSOL-41-1075-025)

1. Product and Company Identifaction

Product Name	RXSOL-16-1075-025
Product Type	Carbon Cleaner LT

Company Details:

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

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

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CASNumber	ECNumber	RPhrases*	Symbols
1,2-Dichlorobenzene	30-60	95-50-1	202-425-9	22, 36/37/38, 50/53	Xn, N
Xylenol	10-30	1300-71-6	215-089-3	24/25, 34, 51/53	T, N
Kerosine, unspecified	10-30	64742-94-5	265-198-5	65, 66, 51, 53	Xn, N
Naphtha(petroleum),	10-30	64742-82-1	265-185-4	65, 66	Xn
2-BUTOXY ETHANOL	ppm 20 ppm		111-76-2 50		
Ammonium Hydroxide	50 ppm - 20 ppm		1336-21-6		
Ethyl Alcohol	1000 ppm		64-17-5		

*SeeSection16

3. Hazards Identification



Irritant

Odour	Unpleasant odour, Strong smell of phenol
Appearance	Liquid, brown, dispersible in water
Contact with eyes	Can cause damage to the eyes
Contact with skin	Causes burns (R34), Toxic in contact with skin and if swallowed (R24/25)
Inhalation	May cause sever eirritation, May cause dizziness, confusion, headache or stupor, In cases of severe exposure, anaesthesia may develop
Ingestion	Toxic if swallowed (R25) Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water.Then wash with soap and water. Whenin doubt or symptoms persist, seek medical attention.Contamin ated clothing should be laundered befor ereuse
Contact with Eyes	If substance has got into eyes, immediately wash out with plenty of water forat least 15 minute.Irrigate eyes thoroughly whilst lifting eyelids.Seek immediate medical attention.Continue flushing with water until medical help arrives
Ingestion	Never make an unconscious person vomit or drink fluids.Give plenty of water to drink.Do not induce vomiting.Seek immediate medical attention.
Inhalation	Remove patient to fresh air.Keep warm and at rest, in a half upright position. Loosen clothing.When in doubt or symptoms persist, seek medical attention
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

- Flash point >70 deg C (CC)
- Decomposition products may include phosgene, Decomposition products may include carbon oxides
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Substance evolves toxic fumes, wear self-contained breathing apparatus
- Prevent run off water from entering drains if possible
- Use water spray or fog to knock down and absorb corrosive fumes
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flash back

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.Vapours are heavier than air and may travel considerable distances to a source of ignition and flash back.
Environmental Precautions	Do not allow to enter public sewers and water courses

Immediate Actions	Use appropriate containment to avoid environmental contamination (S57)
Clean Up Actions	Absorb spillage in inert material and shovel up.Ventilate the area and wash spill site after material pick-up is complete
Special Precautions	Wear protective clothing as per section 8.Avoid release to the environment. Refer to special in structions/Safety data sheets (S61).Vapours are heavier than air and may travel considerable distances to a source of ignition and flash back

7. Handling and Storage

Handling	See Section 8.Eye wash bottles should be available. Avoid contact with skin and eyes(S24/25).
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49).

8. Exposure controls and personal protection

ExposureLimits	TLV (TWA) 20ppm, 122mg/m3 (1,2-Dichlorobenzene)
Exposurecontrols	The undiluted product must not be used in a confined space without good ventilation
Occupational exposure controls	Wear approved respirator if exposure likely to exceed MEL / OES . Wear goggles giving complete eye protection. Wear suitable protective clothing, in cluding eye/ face protection and gloves (neoprene or nitrileare recommended)


Gloves


Goggles


Suit


Respirator

9. Physical and chemical properties

Odour	Unpleasant odour, Strong smell of phenol
Appearance	Liquid, brown, dispersible in water
pH	10-11 (5%in50/50 H2O-IPA mix)
Boiling point & gt	100° Cat 760 mm / Hg
Vapour pressure	not known
Vapour density	(air =1) & gt;01
Freezing point	0°Cat 760mm / Hg
Insoluble in water	
Specific gravity	(water=1) 1.02
Flash point & gt	70 deg C (CC)

10. Stability and reactivity

- This article is considered stabl eunder normal conditions, May cause rubber to swell
- Avoid overheating
- In compatible with strongo xidizing substances, Contact with alkaline earth gases, Contact with alkali metals may forme xplosive gases
- See Section 5

11. Toxicological information

Toxicological information	In cases of severe exposure, nausea/vomiting may develop
Inhalation	Causes seve re irritation
	Has central nervous systeme ffects
	May cause nausea/ vomiting
Contact with skin	Canbe absorbed through skin
	Toxic by inhalation and in contact with skin (R23/24)
	Causes burns (R34)
Contact with eyes	Causes severe irritation
	Can cause damage to the eyes
Ingestion	Can cause damage to the digestive system
	Toxic if swallowed (R25)
Carcinoge ni city	No evidence of carcino genic effects

12. Ecological information

Ecotoxicity	This product contains components which are classified in the EU as dangerous for the environment.
	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)
Mobility	Emulsifies in water
Persistence and Biodegradability	Most components in this product are not readily biodegradable
Bioaccumulation Potential	Hydrocarbon solvents have the potential to bioaccumilate.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13. Disposal considerations

Classification:
- This material and/or its container must be disposed of as hazardous waste
- EU Waste class: 07.01

Disposal considerations:
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

14. Transport information

Proper Shipping Name:

UN

	Proper Shipping Name	Toxicliquid organic, n.o.s	(Xylenol, 1,2-dichlorobenzene)

	UN NO.	2810		
	Hazard Class	6.1	PackingGroup	III
Road/Rail(ADR/RID)				
	Proper Shipping Name	Toxicliquid, organic, n.o.s.	(Xylenol, 1,2-dichlorobenzene)	
	ADR UN No.	2810		
	ADRHazardClass	6.1	Tremcard	61GT1-III
Sear (IMDG)				
	Proper Shipping Name	Toxicliquid, organic, n.o.s.	(Xylenol,1,2-dichlorobenzene)	
	IMDG UN No.	2810		
	IMDG Hazard Class	6.1	ICAO PackingGroup	III
	IMDG EmS	F-A, S-A	IMDG subrisk:	N/A
	IMDG Labels	6.1+Mar	Pollutant	
	IMDG Flashpoint	>70°C		
Air(ICAO/IATA)				
	Proper Shipping Name	Toxicliquid, organic, n.o.s.	(Xylenol, 1,2-dichlorobenzene)	
	ICAO UnNo	2810		
	ICAO HazardClass	6.1	ICAO PackingGroup	III
	ICAO subrisk	N/A	ICAO Labels	6.1
	ICAO Flashpoint	>70°C		
DOT/ CFR(USDepartment ofTransportation				
	DOT Proper Shipping Name	Toxicliquid, organic, n.o.s.	(Xylenol, 1,2-dichloro benzene)	
	Hazardous Material	Xylenol	1,2-dichloro benzene	
	Hazard Class	6.1	Identification Number	UN2810
	Product RQ (lbs)	100	DOT subrisk:	Marine Pollutant
	DOT Labels	6.1+Mar	Pollutant	
	DOT Flash point	>70°C		

15. Regulatory information

Risk Phrases :
Harmfulby inhalation(R20).Toxic in contact with skin and ifswallowed(R24/25).Causes burns(R34). Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatice nvironment (R50/53)
Safety Phrases:
Do not breathe vapour/ fumes (S23) In case of contact with eyes, rins eimmediately with plenty of water and seek medical advice (S26) After contact with skin, wash immediately with plenty of soap and water (S 28)If swallowed, do not induce vomiting: seek medica ladvice immediately and show this container or label (S62). Wear suitable protective clothing, eye/face protection and gloves (S36/37/39).This material and its container must be disposed of as hazardous waste (S60).Avoid release to the environment. Refer to specia linstructions /Safety data sheets (S61)

16. Other information

Text of R and S phrase codes used in this safety data sheet:-

R 22:	Harmful if swallowed;
R24/25	Toxic in contact with skin and if swallowed;
R34	Causes burns
R 36/37/38	Irritating to eyes, respiratory system and skin;

R 50/53	May cause long term adverse effect in the aquatic environment;
R65	Harmful: may cause lung damage if swallowed;
R66	Repeated exposure may cause skin dryness or cracking.The information

provided about the product on this Safety Data Sheet hasbeen compiled from knowledge of the individual constituents.The data given here is base don 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) with out seeking advice from manufacturer Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

Halogenated hydrocarbons	30 %
Aromatic hydrocarbons	30 %
Aliphatic hydrocarbons	5-15 %
Anionic surfactants	5-15 %

2-BUTOXY ETHANOL * 111-76-2 50 ppm 20 ppm Yes
AMMONIUM HYDROXID 26BE 1336-21-6 50 ppm 20 ppm Yes
ETHYL ALCOHOL 64-17-5 1000 ppm 1000 ppm No
2-BUTOXY ETHANOL