Material Safety Data Sheet

Oxygen Remover Scavanger Plus (RXSOL-50-5022-025)

1. Product and Company Identifaction

Product Name	:	**RXSOL-50-5022-025**
Product Type	:	Oxygen Remover Scavanger Plus

Company Details:

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

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

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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Hydroquinone	1	123-31-9	204-617-8	22, 40, 41, 43, 50,68	Xn, N
Diethyl hydroxylamine85%	10-30	3710-84-7	223-055-4	10,20/21, 36/37/38	Xn
Hydrazine	10-15	302-01- 2			
Non classified ingredients	60-90				

*See Section 16

3. Hazards Identification

Odour	Smells of ammonia
Appearance	Liquid, pale yellow, soluble in water
Contact with eyes	Causes irritation
Contact with skin	Causes irritation, Can be absorbed through skin, Harmful by inhalation and in contact with skin (R20/21)
Inhalation	Harmful by inhalation and in contact with skin (R20/21)
Ingestion	The ingestion of significant quantities may cause gastro-intestinal disturbances Limited evidence of carcinogenic effect (R40)

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. Seek medical attention if irritation persists. Contaminated clothing should be laundered before reuse.
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Obtain immediate medical attention.
Ingestion	Never make an unconscious person vomit or drink fluids. Do not induce vomiting. Give 200-300mls (half point) water to drink. Obtain immediate medical attention.
Inhalation	Remove patient to fresh air. Keep warm and at rest. Seek medical attention if ill effects occur.
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).

5. Fire-fighting Measures

- Non combustible
- Nitrogen and carbon oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8.
Environmental Precautions	No special precautions are required for this product.
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.

7. Handling and Storage

Handling	Wear protective clothing as per section 8. Avoid contact with skin and eyes (S24/25). Eyewash bottles should be available.
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49)

8. Exposure controls and personal protection

Exposure Limits	TLV (TWA) 0.5 mg/m3 (Hydroquinone)
Exposure controls	No special precautions are required for this product

Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended). Respiratory protection may be required under exceptional circumstances when excessive air contamination exists. Wear approved respirator if exposure likely to exceed MEL/OES.

9. Physical and chemical properties

Odour	Smells of ammonia
Appearance	Liquid, pale yellow, soluble in water
pH	10 - 11 at 100 % concentration, pH 8 - 9 at 1 % concentration
Boiling point	100 °C at 760 mm /Hg
Vapour pressure	not known
Vapor density	not known
Freezing point	0 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	0.98
Non combustible	

10. Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- Incompatible with oxidizing substances
- See Section 5

11. Toxicological information

Toxicological information	LD50 (oral,rat) >2100 mg/kg.LD50 (skin,rabbit) 1300 mg/kg.LC50 (inhalation,rat) 3140 mg/l/4h.(Diethylhydroxylamine)
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
Contact with skin	Causes irritation
Contact with eyes	Causes irritation
Ingestion	May cause gastro-intestinal disturbances
Carcinogenicity	Hydroquinone: Category 3 Carcinogen Limited evidence of carcinogenic effect (R40)

Mutagenicity	Hydroquinone: Category 3 Mutagen

12. Ecological information

Ecotoxicity	May cause acute effects in the aquatic environment. This product contains components which are classified in the EU as dangerous for the environment
Mobility	Completely soluble in water
Persistence and Biodegradability	Degrades rapidly on exposure to air
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
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	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

- Not classified as hazardous for transport

15. Regulatory information

Classification and labeling	Contains Hydroquinone. May produce an allergic reaction.
Risk Phrases	Harmful by inhalation and in contact with skin (R20/21).Irritating to eyes, respiratory system and skin (R36/37/38)
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).Wear suitable protective clothing, eye/face protection and gloves(S36/ 37/ 39).If swallowed seek medical advice immediately and show this container or label (S46).Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R10: Flammable; R20/21: Harmful by inhalation and in contact with skin; R22: Harmful if swallowed; R36/37/38: Irritating to eyes, respiratory system and skin; R40: Limited evidence of carcinogenic e ffect; R41: Risk of serious damage to eyes; R43: May cause sensitisation by skin contact; R50: Very toxic to aquatic organisms; R68: Possible risk of irreversible effects.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 n(s) without seeking advice from manufacturer This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC) This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

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