

1. Product and Company Identification

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Product Name **CARBON TETRA CHLORIDE**

Part Number RXSOL-19-1263-025

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Phone +91 22 27815540

Fax +91 22 2781 1318 ::AOH :0091 9821214367

Email 123@rxmarine.com

2. Composition / Information on ingredients

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Name

CAS #

% by We

Carbon tetrachloride

56-23-5

Toxicological Data on Ingredients:

Carbon tetrachloride: ORAL (LD50): Acute: 2350 mg/kg [Rat]. 8263 mg/kg [Mouse]. 6380 mg/kg [Rabbit]. DERMAL (LD50): Acute: 15000 mg/kg [Rabbit]. 5070 mg/kg [Rat]. VAPOR (LC50): Acute: 8000 ppm 4 hour(s) [Rat]. 13471.8 ppm 4 hour(s) [Mouse].

3. Hazards Identification

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Potential Acute Health Effects:

Extremely hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant).

Potential Chronic Health Effects:

Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified 2B (Possible for human.) by IARC. Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. MUTAGENIC

EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, liver, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

4. First Aid Measures

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Eye Contact:

Check for and remove any contact lenses. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water is preferred. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash with soap and water. Gently and thoroughly wash the affected area with running water and non-abrasive soap. Be careful to clean folds, creases, and jewelry. If irritation persists, seek medical attention. Wash clothes before reusing.

Serious Skin Contact:

Wash with a disinfectant soap. Wash skin with an anti-bacterial cream.

Inhalation:

Allow the victim to rest in a fresh air environment. Seek immediate medical attention.

Serious Inhalation:

Evacuate the victim to a safe area. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Serious Ingestion:

Not available.

5. Fire-fighting Measures

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Flammability of the Product:

Non-flammable.

Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not applicable.
Explosion Hazards in Presence of Various Substances:	Risks of explosion of the product in presence of static electrical discharge or mechanical impact: Not available.
Fire Fighting Media and Instructions:	Not applicable.
Special Remarks on Fire Hazards:	Not available.
Special Remarks on Explosion Hazards:	Not available.

6. Accidental Release Measures

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Small Spill:	Absorb with an inert material and transfer to a suitable container in an appropriate waste container.
Large Spill:	Absorb with an inert material and transfer to a suitable container in an appropriate waste container. Ensure that the product is not present at a concentration above TLV. Check TLV on the MSDS or consult the relevant authorities.

7. Handling and Storage Precautions:

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Keep locked up Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:

Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

8. Exposure controls and personal protection

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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne

concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 10 CEIL: 20 (ppm) TWA: 65 CEIL: 130 (mg/m³) Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

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Physical state and appearance:	Liquid.
Odor:	Not available.
Taste:	Not available.
Molecular Weight:	153.82 g/mole
Color:	Not available.
pH (1% soln/water):	7 [Neutral.]
Boiling Point:	76.54°C (169.8°F)
Melting Point:	-23°C (-9.4°F)
Critical Temperature:	Not available.
Specific Gravity:	1.594 (Water = 1)
Vapor Pressure:	91.3 mm of Hg (@ 20°C)
Vapor Density:	5.3 (Air = 1)
Volatility:	Not available.
Odor Threshold:	50 ppm
Water/Oil Dist. Coeff.:	The product is equally soluble log(oil/water) = 0
Ionicity (in Water):	Not available.

Dispersion Properties:	Not available.
Solubility:	Very slightly soluble in cold water.

10. Stability and reactivity

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Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Incompatibility with various substances:	Not available.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available.
Special Remarks on Corrosivity:	Not available.
Polymerization:	No.

11. Toxicological information

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Routes of Entry:	Dermal contact. Eye contact.
Toxicity to Animals:	WARNING: THE LC50 VALUE IS NOT AVAILABLE. ESTIMATED ON THE BASIS OF A 14 DAY EXPOSURE. Acute oral toxicity [Rat]. Acute dermal toxicity [Rat]. Acute toxicity of the vapor [Rat].
Chronic Effects on Humans:	CARCINOGENIC EFFECTS: Classified 2B (Possible carcinogen) by OSHA. Classified 2B (Possible carcinogen) by IARC. Classified A2 (Suspected carcinogen) by IARC. (Reasonably anticipated.) by IARC. Affects the kidneys, lungs, the nervous system and the membranes.
Other Toxic Effects on Humans:	Extremely hazardous in case of skin contact. Hazardous in case of skin contact.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	Embryotoxic and/or foetotoxic. May be transferred in maternal milk in human.
Special Remarks on other Toxic Effects on Humans:	Not available.

12. Ecological information

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Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term products are not likely. However, long term products may arise.
Toxicity of the Products of Biodegradation:	The products of degradation are not available.
Special Remarks on the Products of Biodegradation:	Not available.

13. Disposal considerations

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14. Transport information

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DOT Classification:	CLASS 6.1: Poisonous material. p. 5
Identification:	Carbon Tetrachloride : UN1846 PG: II
Special Provisions for Transport:	Marine Pollutant

15. Regulatory information

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Federal and State Regulations:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Carbon tetrachloride
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Carbon tetrachloride
Pennsylvania RTK: Carbon tetrachloride
Massachusetts RTK: Carbon tetrachloride
TSCA 8(b) inventory: Carbon tetrachloride
CERCLA: Hazardous substances.: Carbon tetrachloride

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):

CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):

R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):

Health 2

Hazard:

Fire Hazard: 0

Reactivity: 0

Personal E

Protection:

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16. Other information

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