Material Safety Data Sheet

Methylene Chloride (RXSOL-14-1492-025)

1. Product and Company Identifaction

Product Name	RXSOL-14-1492
Product Type	Methylene Chloride

Company Details:

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

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

Chemical Name	CAS Number	EC Number	Index number
dichloromethane	75-09-2	200-838-9	602-004-00-3

3. Hazards Identification

Hazard description:
Information concerning particular hazards for human and environment: R 40 Limited evidence of a carcinogenic effect.

4. First Aid Measures

After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin.
After eye contact	Rinse opened eye for several minutes under running water.
After swallowing	If symptoms persist consult doctor.

5. Fire-fighting Measures

Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions: Not required.
Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.Ensure adequate ventilation.

7. Handling and Storage

Handling:

Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.Prevent formation of aerosols.
Information about fire - and explosion protection: No special measures required.
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

75-09-2 dichloromethane

PEL (USA)	Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052
REL (USA)	LFC 174 mg/m³, 50 ppm BEI
TLV (USA)	Short-term value: 1060 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm
WEL (Great Britain)	SK

Additional information: The lists valid during the making were used as basis.
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and
varies from manufacturer to manufacturer.

Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Safety glasses

9. Physical and chemical properties

General Information	
Form	Fluid
Colour	Colourless
Odour	Like chlorine
Change in condition	

Melting point/Melting range	-95.1°C
Boiling point/Boiling range	40°C
Flash point	Not applicable.
Danger of explosion	Product does not present an explosion hazard.
Explosion limits:	
Lower	13 Vol %
Upper	22 Vol %
Vapour pressure at 20°C	453 hPa
Density at 20°C	1.33 g/cm³
Solubility in / Miscibility with water at 20°C	20 g/l
Viscosity:	
Dynamic at 22°C	0.43 mPas

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Dangerous reactions No dangerous reactions known.
Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

Oral	LD50	1600mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

Primary irritant effect:

on the skin	No irritant effect.
on the eye	No irritating effect.
Sensitization	No sensitizing effects known.

12. Ecological information

General notes:
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

Product:
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross-border)

	ADR/RID class	6.1 Toxic substances.
	Danger code (Kemler)	60
	UN-Number	1593
	Packaging group	III
	Hazard label	6.1
	Description of goods	1593 DICHLOROMETHANE
Maritime transport IMDG		
	IMDG Class	6.1
	UN Number	1593
	Label	6.1
	Packaging group	III
	EMS Number	F-A,S-A
	Marine pollutant	No
	Proper shipping name	DICHLOROMETHANE
Air transport ICAO-TI and IATA-DGR		
	ICAO/IATA Class	6.1
	UN/ID Number	1593
	Label	6.1
	Packaging group	III
	Proper shipping name	DICHLOROMETHANE

15. Regulatory information

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:
• **Risk phrases:**
40 Limited evidence of a carcinogenic effect.
• **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24/25 Avoid contact with skin and eyes.
36/37 Wear suitable protective clothing and gloves.

16. Other information

This information is based on our present knowledge.However, this shall not constitute a guarantee for anys pecific product features and shall not establish a legally valid contractual relationship.

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