

1. Product and Company Identification

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Product Name RXSOL-14-1492
Product Type Methylene Chloride

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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

3. Hazards Identification

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Hazard description:

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

4. First Aid Measures

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| | |
|--------------------|---|
| 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

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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

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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

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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

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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

LFC

REL (USA)

174 mg/m³, 50 ppm

BEI

Short-term value: 1060 mg/m³, 300 ppm

Long-term value: 350 mg/m³, 100 ppm

SK

TLV (USA)

WEL (Great Britain)

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

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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/cm ³ |
| Solubility in / Miscibility with water at 20°C | 20 g/l |

Viscosity:

Dynamic at 22°C

0.43 mPas

10. Stability and reactivitywww.rxmarine.com

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 informationwww.rxmarine.com

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 informationwww.rxmarine.com**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 considerationswww.rxmarine.com**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 informationwww.rxmarine.com**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

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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

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

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