

Product Name	RXSOL-19-1418-030
Product Type	Perchloro Ethylene-300

Company Details:

RX MARINE INTERNATIONAL  
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Chemical Name

CAS Number

EC Number

Index number

Tetrachloroethylene

127-18-4  
  
204-825-9

602-028-00-4

Hazard description:

Information concerning particular hazards for human and environment:

R 40 Limited evidence of a carcinogenic effect.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

Person-related safety precautions: Not required.

Measures for environmental protection: Inform respective authorities in case of seepage into water course or sewage system. 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

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.

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

Ingredients with limit values that require monitoring at the workplace: 127-18-4 tetrachloroethylene

PEL (USA)

REL (USA)

TLV (USA)

WEL (Great Britain)

Short-term value: C 200; 300\* ppm

Long-term value: 100 ppm

\*5-min peak in any 3 hrs

LFC (LOQ 0.4 ppm)

Short-term value: 685 mg/m<sup>3</sup>, 100 ppm

Long-term value: 170 mg/m<sup>3</sup>, 25 ppm

BEI

Short-term value: 689 mg/m<sup>3</sup>, 100 ppm

Long-term value: 345 mg/m<sup>3</sup>, 50 ppm

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: Goggles recommended during refilling

General Information

Form

Fluid

Colour

Colourless

Odour

Like chlorine

Change in condition

Melting point/Melting range

-23.5°C

Boiling point/Boiling range

121.1°C

Flash point

Not applicable.

Danger of explosion

Product does not present an explosion hazard.

Vapour pressure at 20°C	19 hPa	Density at 20°C	1.6063 g/cm <sup>3</sup>	Solubility in / Miscibility with water at 20°C
0.4 g/l				

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.

Acute toxicity: LD/LC50 values relevant for classification:

Oral

LD50

2629 mg/kg (rat)

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

Ecotoxical effects:

• Remark: Toxic for fish

General notes: Water hazard class 3 (German Regulation) (Assessment by list): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

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.

Land transport ADR/RID (cross-border)			ADR/RID class		6.1 Toxic substances.		Danger code (Kemler)	
60	UN-Number	1897	Packaging group	III	Hazard label		6.1	Special
marking	Symbol (fish and tree)	Description of goods		1897	TETRACHLOROETHYLENE		Maritime transport IMDG	
	IMDG Class	6.1	UN Number	1897	Label	6.1	Packaging group	III

EMS Number	F-A,S-A	Marine pollutant	Yes (P)	Special marking	Symbol (fish and tree)	
Proper shipping name	TETRACHLOROETHYLENE		Air transport ICAO-TI and IATA-DGR		ICAO/IATA Class	
6.1	UN/ID Number	1897	Label	6.1	Special marking	Symbol (fish and tree)
Packaging group	III	Proper shipping name	TETRACHLOROETHYLENE		Environmental hazards	
Environmentally hazardous substance, liquid; Marine Pollutant						

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Risk phrases:

40 Limited evidence of a carcinogenic effect.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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).

36/37 Wear suitable protective clothing and gloves.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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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