Material Safety Data Sheet

Iso propyl acetate (RXSOL-19-1339-025)

1. Product and Company Identifaction

Product Name	RXSOL-19-1339
Product Type	Iso propyl acetate

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
isopropyl acetate	108-21-4	203-561-1	607-024-00-6

3. Hazards Identification

Hazard description:
Information concerning particular hazards for human and environment:
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
R 11 Highly flammable.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

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. If symptoms persist, consult a doctor.
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.
For safety reasons unsuitable extinguishing agents: Water with full jet
Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Do not allow product to reach sewage system or any water course. 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: Dilute with plenty of water. Ensure adequate ventilation.

7. Handling and Storage

Handling:
Information for safe handling:
Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

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:

108-21-4 isopropyl acetate

PEL (USA)	950 mg/m³, 250 ppm Short-term value: 836 mg/m³, 200 ppm
TLV (USA)	Long-term value: 418 mg/m³, 100 ppm
WEL (Great Britain)	Short-term value: 849 mg/m³, 200 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. Avoid contact with the skin. Avoid contact with the eyes and skin.
Respiratory protection: Not required.
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: Tightly sealed goggles

9. Physical and chemical properties

General Information

Form	Fluid
Colour	Colourless

Odour	Fruit-like
Change in condition	
Melting point/Melting range	-73.4°C
Boiling point/Boiling range	88.8°C
Flash point	4°C
Ignition temperature	460°C
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower	1.8 Vol %
Upper	8 Vol %
Vapour pressure at 20°C	61 hPa
Density at 20°C	0.87 g/cm³
Solubility in / Miscibility with water at 20°C	18.9 g/l

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	3000 mg/kg (rat)

Primary irritant effect:

on the skin	Irritant to skin and mucous membranes.
on the eye	No irritating effect.
Sensitization	No sensitizing effects known.

12. Ecological information

General notes: Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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	3 Flammable liquids.
	Danger code (Kemler)	33
	UN-Number	1220
	Packaging group	II
	Hazard label	3
	Description of goods	1220 ISOPROPYL ACETATE
Maritime transport IMDG		
	IMDG Class	3
	UN Number	1220
	Label	3
	Packaging group	III
	EMS Number	F-E,S-D
	Marine pollutant	No
	Proper shipping name	ISOPROPYL ACETATE
Air transport ICAO-TI and IATA-DGR		
	ICAO/IATA Class	3
	UN/ID Number	1220
	Label	3
	Packaging group	II
	Proper shipping name	ISOPROPYL ACETATE

15. Regulatory information

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Risk phrases:
11 Highly flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.
Safety phrases:
2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29 Do not empty into drains

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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