Material Safety Data Sheet

ISOBUTYL ACETATE (RXSOL-19-1326-025)

1. Product and Company Identifaction

Product Name	RXSOL-19-1326
Product Type	ISOBUTYL ACETATE

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
isobutyl acetate	110-19-0	203-745-1	607-026-00-7

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 66 Repeated exposure may cause skin dryness or cracking.

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.
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: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
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:

110-19-0 isobutyl acetate

PEL (USA)	700 mg/m³, 150 ppm
REL (USA)	700 mg/m³, 150 ppm
TLV (USA)	713 mg/m³, 150 ppm
WEL (Great Britain)	Short-term value: 903 mg/m³, 187 ppm Long-term value: 724 mg/m³, 150 ppm

Additional information: The lists valid during the making were used as basis.
Personal protective equipment:
General protective and hygienic measures: 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: Tightly sealed goggles

9. Physical and chemical properties

General Information	
Form	Fluid
Colour	Colourless
Odour	Fruit-like
Change in condition	

Melting point/Melting range	-98.85°C
Boiling point/Boiling range	117.2°C
Flash point	18°C
Ignition temperature	405°C
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower	2.4 Vol %
Upper	10.5 Vol %
Vapour pressure at 20°C	20 hPa
Density at 20°C	0.8747 g/cm³
Solubility in / Miscibility with water at 20°C	7 g/l
pH-value (4 g/l) at 20°C	6
Viscosity:	
Dynamic	0.96 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	13400 mg/kg (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 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	1213
	Packaging group	II
	Hazard label	3
	Description of goods	1213 ISOBUTYL ACETATE
Maritime transport IMDG		
	IMDG Class	3
	UN Number	1213
	Label	3
	Packaging group	II
	EMS Number	F-E,S-D
	Marine pollutant	No
	Proper shipping name	ISOBUTYL ACETATE
Air transport ICAO-TI and IATA-DGR		
	ICAO/IATA Class	3
	UN/ID Number	1213
	Label	3
	Packaging group	II
	Proper shipping name	ISOBUTYL 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.
66 Repeated exposure may cause skin dryness or cracking.
Safety phrases:
2 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
25 Avoid contact with eyes.

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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