Material Safety Data Sheet

ETHYLL ACTATE (RXSOL-19-1186-025)

1. Product and Company Identifaction

Product Name	RXSOL-19-1186
Product Type	ETHYLL ACTATE

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
ethyl acetate	141-78-6	205-500-4	607-022-00-5

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: Dilute with plenty of water. 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: No special requirement
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:

141-78-6 ethyl acetate

PEL (USA)	1400 mg/m³, 400 ppm
REL (USA)	1400 mg/m³, 400 ppm
	1440 mg/m³, 400 ppm
TLV (USA)	Short-term value: 400 ppm
WEL (Great Britain)	Long-term value: 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. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes.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	-83.57°C
Boiling point/Boiling range	77-78°C
Flash point	-1°C
Ignition temperature	460°C
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower	2.1 Vol %
Upper	11.5 Vol %
Vapour pressure at 20°C	97 hPa
Density at 20°C	0.9 g/cm³
Solubility in / Miscibility with water at 20°C	79 g/l
Viscosity:	
Dynamic at 22°C	0.44 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	5620 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (rat)

Primary irritant effect:	
on the skin	No irritant effect.
on the eye	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	1173
	Packaging group	II
	Hazard label	3
	Description of goods	1173 ETHYL ACETATE
Maritime transport IMDG		
	IMDG Class	3
	UN Number	1173
	Label	3
	Packaging group	II
	EMS Number	F-E,S-D
	Marine pollutant	No
	Proper shipping name	ETHYL ACETATE
Air transport ICAO-TI and IATA-DGR		
	ICAO/IATA Class	3
	UN/ID Number	1173
	Label	3
	Packaging group	II
	Proper shipping name	ETHYL 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.
33 Take precautionary measures against static discharges

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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