Material Safety Data Sheet

Methyl Methacrylate (RXSOL-19-1372-210)

1. Product and Company Identifaction

Product Name	RXSOL-19-1372
Product Type	Methyl Methacrylate

Company Details:

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

Stock Point ::: Mumbai, Kolkata, Kandla, Chennai, Visakhapatnam, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
Methyl Methacrylate	80-62-6	201-297-1	607-035-00-6

3. Hazards Identification

Hazard description:
Information concerning particular hazards for human and environment:
R 11 Highly flammable.
R 37/38 Irritating to respiratory system and skin.
R 43 May cause sensitisation by skin contact.

4. First Aid Measures

After inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact	Immediately wash with water and soap and rinse thoroughly.
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 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:

80-62-6 methyl methacrylate

PEL (USA)	410 mg/m³, 100 ppm
	410 mg/m³, 100 ppm
REL (USA)	Short-term value: 410 mg/m³, 100 ppm
	Long-term value: 205 mg/m³, 50 ppm
TLV (USA)	SEN
WEL (Great Britain)	Short-term value: 416 mg/m³, 100 ppm
	Long-term value: 208 mg/m³, 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. 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: 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	Acrid

Change in condition

Melting point/Melting range	-48°C
Boiling point/Boiling range	101°C
Flash point	10°C
Ignition temperature	430°C
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower	2.1 Vol %
Upper	12.5 Vol %
Vapour pressure at 20°C	47 hPa
Density at 20°C	0.94 g/cm³
Solubility in / Miscibility with water at 20°C	1.6 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	7872 mg/kg (rat)

Primary irritant effect:

on the skin	Irritant to skin and mucous membranes.
on the eye	No irritating effect.
Sensitization	Sensitization possible through skin contact.

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)	339
	UN-Number	1247
	Packaging group	II
	Hazard label	3
	Description of goods	1247 METHYL METHACRYLATE MONOMER, STABILIZED
Maritime transport IMDG		
	IMDG Class	3
	UN Number	1247
	Label	3
	Packaging group	II
	EMS Number	F-A,S-D
	Marine pollutant	No
	Proper shipping name	METHYL METHACRYLATE MONOMER, STABILIZED
Air transport ICAO-TI and IATA-DGR		
	ICAO/IATA Class	3
	UN/ID Number	1247
	Label	3
	Packaging group	II
	Proper shipping name	METHYL METHACRYLATE MONOMER, STABILIZED

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.
37/38 Irritating to respiratory system and skin.
43 May cause sensitisation by skin contact.
• **Safety phrases:**
2 Keep out of the reach of children.
24 Avoid contact with skin.
37 Wear suitable gloves.
46 If swallowed, seek medical advice immediately and show this container or label.

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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