Material Safety Data Sheet

Mix Solvent (RXSOL-18-1802-210)

1. Product and Company Identifaction

Product Name	**Mix Solvent**
Product Type	RXSOL-18-1802-210

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

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

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2. Composition / informationon ingredients

Name	EC No.	CAS-No.	Content	Classification (67/548)
BUTANOL-norm	200-751-6	71-36-3	10-15%	R10 Xn;R22 Xi;R37/38,R41 R67
METHANOL	200-659-6	67-56-1	3-6%	R11 T;R23/24/25,R39/23/24/25
Aromatic Mixture	918-668-5	64742-95-6	80-87 %	R10, Xn 22

3. Hazards Identification

Highly flammable. Risk of serious damage to eyes. Toxic by inhalation, in contact with skin and if swallowed. Irritating to respiratory system and skin. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
CLASSIFICATION (1999/45) T;R23/24/25, R39/23/24/25. Xi;R41, R37/38. F;R11.

4. First Aid Measures

INHALATION	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get immediate medical attention.
INGESTION	Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!
SKIN CONTACT	Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention immediately.
EYE CONTACT	May cause permanent damage if eye is not immediately irrigated. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5. Fire-fighting Measures

EXTINGUISHING MEDIA	Water spray, dry powder or vaporising liquids
UNUSUAL FIRE & EXPLOSION HAZARDS	HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition. Forms explosive mixtures with air.
PROTECTIVE MEASURES IN FIRE	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Wear protective clothing as described in Section 8 of this safety data sheet.
SPILL CLEAN UP METHODS	Remove sources of ignition. Small Spillages: Absorb with inert, non-combustible material. Large Spillages: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Ventilate well.

7. Handling and Storage

USAGE PRECAUTIONS	Avoid spilling, skin and eye contact. Static electricity and formation of sparks must be prevented. Eliminate all sources of ignition.
STORAGE PRECAUTIONS	Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry and cool place.
STORAGE CLASS	Flammable liquid storage.

8. Exposure controls and personal protection

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit (WEL) is not exceeded. Explosion-proof general and local exhaust ventilation.
RESPIRATORY EQUIPMENT	In case of inadequate ventilation use suitable respirator.
HAND PROTECTION	Use protective gloves. Butyl rubber. Viton rubber (fluor rubber). Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL).
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station.
HYGIENE MEASURES	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9. Physical and chemical properties

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Characteristic
SOLUBILITY	Soluble in solvent.
FLASH POINT (°C)	Not known.

10. Stability and reactivity

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
MATERIALS TO AVOID	Alkali metals. Alkali earth metals. Aluminium. Strong oxidising substances.

11. Toxicological information

TOXICOLOGICAL INFORMATION	LDLo 143 mg/kg (Oral, human) (Methanol)
INHALATION	Toxic by inhalation.
INGESTION	Toxic if swallowed.
SKIN CONTACT	May be absorbed through the skin. Product has a defatting effect on skin.
EYE CONTACT	Risk of serious damage to eyes.
HEALTH WARNINGS	Absorption of large quantities may cause irreversible damage to the optic nerve (due to methanol), nausea, headache, vomiting, inebriation and blindness.

12. Ecological information

ECOTOXICITY
Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

13. Disposal considerations

DISPOSAL METHODS
Dispose of waste and residues in accordance with local authority requirements.

14. Transport information

UK ROAD	CLASS 3
PROPER SHIPPING NAME	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. (BUTAN-1-OL, METHANOL)
UN NO. ROAD	1986
ADR CLASS NO.	3
ADR PACK GROUP	II
ADR LABEL NO.	3 & 6.1
CEFIC TEC(R) NO.	30GFT1-II
RID PACK GROUP	II

IMDG CLASS	3
IMDG PACK GR.	II
MFAG	See Guide
UN NO. AIR	1986
AIR SUB CLASS	6.1
UK ROAD PACK GR.	II
ADR CLASS	Class 3: Flammable liquids.
HAZARD No. (ADR)	336
HAZCHEM CODE	3WE
RID CLASS NO.	3
UN NO. SEA	1986
IMDG PAGE NO.	3 & 6.1
EMS	F-E, S-D
MARINE POLLUTANT	No.
AIR CLASS	3
AIR PACK GR.	II

15. Regulatory information

LABELLING	Toxic Highly Flammable	
CONTAINS	BUTANOL-norm METHANOL	
RISK PHRASES	R41	Risk of serious damage to eyes.
	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
	R37/38	Irritating to respiratory system and skin.
	R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
	R11	Highly flammable.
SAFETY PHRASES	S16	Keep away from sources of ignition - No smoking.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
	S60	This material and its container must be disposed of as hazardous waste.
UK REGULATORY REFERENCES	Highly Flammable Liquid Regulations 1972. Fire precautions Act 1971.	
STATUTORY INSTRUMENTS	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.	

APPROVED CODE OF PRACTICE	Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.
GUIDANCE NOTES	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.
NATIONAL REGULATIONS	Control of Substances Hazardous to Health Regulations 2002 (as amended)

16. Other information

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