

1. Product and Company Identification

www.rxmarine.com

Product Name **Methanol Water Mix**

Product Type **RXSOL-20-2162-210**

Company Details:

RX MARINE INTERNATIONAL

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2. Composition / Information on ingredients

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Component	CAS-No	Weight %
Water	7732-18-5	20 - 50
Methyl alcohol	67-56-1	50 - 80

3. Hazards Identification

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Target Organs	Gastrointestinal tract (GI), Central nervous system (CNS), Optic nerve, Liver, Kidney, spleen, Blood
Potential Health Effects	
Acute Effects	
Principle Routes of Exposure	
Eyes	Irritating to eyes.
Skin	Toxic in contact with skin. Irritating to skin.
Inhalation	Toxic by inhalation. Vapor harmful. May cause irritation of respiratory tract.
Ingestion	Poison, may be fatal or cause blindness if swallowed. CAUTION: Ingestion may cause gastrointestinal irritation, nausea, vomiting.
Chronic Effects Toxic	Dnger of very serious irreversible effects through inhalation if swallowed. Experiments have shown reproductive toxicity.

Aggravated Medical
Conditions

May cause adverse liver effects. May cause adverse kidney effects. Listed on California Proposition 65 as a developmental hazard. Central nervous system disorders. Gastrointestinal tract. Fetal effects. Kidney disorders. Liver disorders.

4. First Aid Measures

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Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.
Notes to Physician	Treat symptomatically.

5. Fire-fighting Measures

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Flash Point	> 11°C
Method	No information available.
Autoignition Temperature	464°C
Explosion Limits	
Upper	~ 36%
Lower	~ 6%
Suitable Extinguishing Media	CO ₂ , dry chemical, dry sand, alcohol-resistant foam. Do not use on unopened containers.
Unsuitable Extinguishing Media	Water may be ineffective.
Hazardous Combustion Products	No information available.
Sensitivity to mechanical impact	No information available.
Sensitivity to static discharge	No information available.
Specific Hazards Arising from Flammable	Risk of ignition. Vapors may form explosive mixtures with air.

the Chemical
Protective Equipment and
Precautions for Firefighters

may travel to source of ignition and flash back. Containers
As in any fire, wear self-contained breathing apparatus (NIOSH
MSHA/NIOSH approved or equivalent) and full protective clothing. Thermal
decomposition can lead to release of irritating gases and vapors.

NFPA

Health 1

Flammability 3

Instability

6. Accidental Release Measures

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Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions

Should not be released into the environment

Methods for Containment and Clean Up

Remove all sources of ignition. Soak up with inert absorbent material. Take precautionary measures against static discharges. Keep in suitable, closed containers for disposal..

7. Handling and Storage

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Handling:

Use only under a chemical fume hood. Use explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Flammables area.

8. Exposure controls and personal protection

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Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

Exposure Guidelines:

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component	ACGIH TLV	OSHA PEL	N
Methyl alcohol	TWA: 200 ppm STEL: 250 ppm Skin.	(Vacated) TWA: 200 ppm (Vacated) TWA: 260 mg/m3 (Vacated) STEL: 250 ppm (Vacated) STEL: 325 mg/m3 Skin TWA: 200 ppm TWA: 260 mg/m3	ID TY TY ST ST

Component	Quebec Mexico	OEL (TWA)	O
Methyl alcohol	TWA: 200 ppm TWA: 262 mg/m3 STEL: 250 ppm STEL: 328 mg/m3 Skin	TWA: 200 ppm TWA: 260 mg/m3 STEL: 250 ppm STEL: 310 mg/m3	TY ST Sk

NIOSH IDLH:

Immediately Dangerous to Life or Health Personal Protective Equipment.

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles by OSHA's eye and face protection regulations in 29 CFR 1910.133 and European Standard EN166

Skin and body protection Antistatic boots. Wear fire/flame resistant/retardant clothing. In

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 and European Standard EN 149. Use a NIOSH/MSHA or European Standard approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Physical State	Liquid
Appearance	Colorless
Odor	Alcohol-like
Odor Threshold	No information available.
pH No	No information available.
Vapor Pressure	12.8 kPa @ 20°C
Vapor Density	1.105 @ °C (Air = 1.0)
Viscosity	No information available.
Boiling Point/Range	>64°C
Melting Point/Range	No data available
Decomposition temperature	No information available.
Flash Point	> 11°C
Evaporation Rate	No information available.
Specific Gravity	