

1. Product and Company Identification

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Product Name : Methoxy Triglycol
Part Number : RXSOL-19-1357-210

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name of Substance	Cas Number
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Triethylene glycol monomethyl ether	112-35-6
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3. Hazards Identification

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Signal Word	None
Hazard Statements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Precautionary statements - prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Precautionary statements - response	IF exposed or concerned: Get medical advice/ attention Storage: Store locked up. Disposal: Dispose of contents/ container to an approved waste disposal plant.
Other Hazard	No data available.

4. First Aid Measures

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Eye Contact:	Flush eyes thoroughly with water for several minutes and continue flushing for several additional minutes. Consult an ophthalmologist. Suitable emergency eye wash facility.
Skin Contact:	Wash off with soap and plenty of water.
Inhalation:	If breathed in, move person into fresh air. If not breathing, provide artificial respiration.
Ingestion:	Rinse mouth with water. No emergency medical treatment required.
Most important symptoms and effects, both acute and delayed:	Aside from the information found under Description of Hazards, seek immediate medical attention and special treatment as advised by a physician.

Notes to Physicians:

effects are described in Section 11: Toxicology I
No specific antidote. Treatment of exposure sho
condition of the patient.

5. Fire-fighting Measures

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Suitable extinguishing media

Water fog or fine spray.. Dry chemical fire ext
Alcohol resistant foams (ATC type) are preferre
protein foams may function, but will be less effec

Unsuitable extinguishing media

Do not use direct water stream.. May spread fire..

Hazardous combustion products

During a fire, smoke may contain the original
composition which may be toxic and/or irritating
to: Carbon monoxide.. Carbon dioxide.

Unusual Fire and Explosion Hazards:

Violent steam generation or eruption may occur u

Advice for firefighters

Fire Fighting Procedures: Keep people away. Is
cool fire exposed containers and fire affected zo
Burning liquids may be extinguished by dilution
fire.. Burning liquids may be moved by flushing
damage..

Special protective equipment for firefight
apparatus (SCBA) and protective fire fighting clo
and gloves). If protective equipment is not availab
distance.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Isolate area. Refer to section 7, Handling, for add
unprotected personnel from entering the area.
information, refer to Section 8, Exposure Controls

Environmental Precaution

Prevent from entering into soil, ditches, sewer
Ecological Information.

Methods and materials for
containment and cleaning up

Small spills: Absorb with materials such as: Sand
containers. Large spills: Contain spilled material
containers. See Section 13, Disposal Consideration

7. Handling and Storage

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Advice on safe handling

Avoid contact with eyes. Wash thoroughly after
fibrous insulations may lead to lowering of the
spontaneous combustion. See Section 8, EXPOSURE

Storage

Store in the following material(s): Carbon steel. Stai
in: Aluminum. Copper. Galvanized iron. Galvanized

Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smok
protective equipment before entering eating areas.

8. Exposure controls and personal protection

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Control parameters
Exposure controls

Engineering Control

Personal Protection

Components with workplace control parameters
Appropriate engineering controls
General industrial hygiene practice.
Use local exhaust ventilation, or other engineering limit requirements or guidelines. If there are no a general ventilation should be sufficient for most op

Eye / Face protection : Eye/face protection: Use s side shields) should be consistent with EN 166 or eq

Hand protection : Use gloves chemically resist repeated contact could occur. Use chemical resistant gloves against chemicals and micro-organisms. Ex Butyl rubber. Ethyl vinyl alcohol laminate ("EVA include: Natural rubber ("latex"). Neoprene. Nitr chloride ("PVC" or "vinyl"). When prolonged or fr protection class of 3 or higher (breakthrough tim recommended. Glove thickness alone is not a good against a chemical substance as this level of pr composition of the material that the glove is fabrica on model and type of material, generally be mor prolonged and frequent contact with the substance.

Skin protection : When prolonged or frequently r chemically resistant to this material. Selection of sp body suit will depend on the task. **Respiratory prot** there is a potential to exceed the exposure limit re exposure limit requirements or guidelines, wear r respiratory irritation or discomfort have been expe process. For most conditions no respiratory prote experienced, use an approved air-purifying respirato Use the following CE approved air-purifying respi >65 °C, meeting standard EN 14387).

Control of environmental exposure : No special e Handle in accordance with good industrial hygiene clothing before re-use.

Hygiene measures



Gloves Suit

9. Physical and chemical properties

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Physical state	Liquid
Colour	Colourless
Odour	Mild, sweet
Odor Threshold	No Data Available
pH	No Data Available
Melting Point	No Data Available
Freezing Point	-44 °C
Boiling point (760 mmHg)	249 °C
Flash point	110 °C (closed cup)
Evaporation Rate	0.01 (Butyl Acetate = 1)
Flammability (solid, gas)	Not applicable
Lower explosion limit	1.3 % vol

Upper explosion limit	9.9 % vol
Vapor pressure	0.001 kPa at 25 °C
Relative vapor density	5.67 at 20 °C
Relative density	1.05 at 20 °C (water = 1)
Water solubility	> 1,000 g/L at 20 °C completely miscible
Solubility in other solvents	No data available
Partition coefficient: octanol	log Pow: -1.12 Measured
Autoignition temperature	210 °C
Decomposition Temperature	No data available
Dynamic Viscosity	7.3 mPa.s at 25 °C
Kinematic Viscosity	7.43 mm ² /s at 20 °C
Explosive properties	No data available
Oxidizing properties	No data available
Liquid Density	1.0494 g/cm ³ at 20 °C
Molecular weight	164.20 g/mol
Molecular formula	CH ₃ O(CH ₂ CH ₂ O) ₃ H

10. Stability and reactivity

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Reactivity	No data available
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Polymerization will not occur.
Conditions to avoid:	Do not distill to dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure build-up in closed systems.
Hazardous Decomposition	Decomposition products depend upon temperature, air supply and the presence of other materials.. Decomposition products include and are not limited to: Aldehydes.. Ketones.. Organic acids..
Incompatible materials:	Avoid contact with: Strong acids. Strong bases. Strong oxidizers.

11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - male and female - > 10.500 mg/kg (OECD Test Guideline 401) LD50 Dermal - Rabbit - male - 7.100 mg/kg
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
Germ cell mutagenicity	in vitro assay S. typhimurium Result: negative Mouse - male and female Result: negative
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or known human carcinogen by IARC.
Reproductive toxicity	No data available.

Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

12. Ecological information

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Ecotoxicity	<p>Acute toxicity to fish: Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in species). LC50, Danio rerio (zebra fish), static test, 96 Hour, > 5,000 mg/l, OECD Test Guideline 203 or Equivalent</p> <p>Acute toxicity to aquatic invertebrates EC50, Daphnia magna (Water flea), static test, 48 Hour, > 500 mg/l, Directive 84/449/EEC, C.2</p> <p>Acute toxicity to algae/aquatic plants ErC50, Desmodesmus subspicatus (green algae), static test, 72 Hour, Growth rate inhibition, > 500 mg/l, OECD Test Guideline 201 or Equivalent</p> <p>Toxicity to bacteria EC0, activated sludge, static test, 0.5 Hour, Respiration rates., > 2,000 mg/l, activated sludge test (OECD 209)</p>
Persistence and degradability	<p>Biodegradability: Material has inherent, ultimate biodegradability according to OECD test (s) guidelines (reached biodegradation in OECD test(s)). 10-day Window: Pass Biodegradation: 100 % Exposure time: 13 d Method: OECD Test Guideline 301B or Equivalent</p>
Bioaccumulative potential	Bioaccumulation: Bioconcentration potential is low (BCF Partition coefficient: n-octanol/water(log Pow): -1.12 at 20°C)
Mobility in Soil	Potential for mobility in soil is very high (Koc between 0 and 50). Partition coefficient (Koc): 10 Estimated.
Results of PBT and vPvB assessment	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be persistent and very bioaccumulating (vPvB).
Other adverse effects	This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

13. Disposal considerations

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Remarks:	Any disposal practice must be in compliance with applicable regulations, including disposal into any sewers, on the ground, or into any body of water.
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14. Transport information

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Hazard Pictograms:

UN Number	ADR/RID: - IMDG: - IATA: None
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: None
Packing group	ADR/RID: - IMDG: - IATA: None

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture
Chemical safety assessment

This safety datasheet complies with the requirements of the relevant regulations.
For this product a chemical safety assessment was performed.

16. Other information

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Other Information

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