

1. Product and Company Identification

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Product Name Propylene Glycol Methyl Ether Lab Grade
Part Number RXSOL-61-1437-002

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight	Formula
Propylene glycol methyl ether	107-98-2	203-539-1	6 mg/l - aerosol (IUCLID) Inhalation: Irritating to respiratory system. LD50 Dermal - Rat - male and female - > 2,000 mg/kg (Regulation (EC) No. 440/2008, Annex, B.3)	Remarks:
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h (Regulation (EC) No. 440/2008, Annex, B.4)			
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation (Regulation (EC) No. 440/2008, Annex, B.5)			
Respiratory sensitization or skin	Maximization Test - Guinea pig Result: negative (Regulation (EC) No. 440/2008, Annex, B.6)			
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).			
Carcinogenicity	No data available			
Germ cell mutagenicity	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene			

	<p>mutation test Test system: Chinese hamster lung cells</p> <p>Metabolic activation: without metabolic activation</p> <p>Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells</p> <p>Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative.</p>
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	<p>May cause drowsiness or dizziness. - Central nervous system</p> <p>Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)</p>
Special Remarks on other Toxi Effects on Humans	<p>Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.</p>
Additional Information	<p>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity -</p>

Rabbit - male and female -
Dermal - 21 Days - NOAEL
(No observed adverse effect
level) - > 1.000 mg/kg
RTECS: UB7700000 To the
best of our knowledge, the
chemical, physical, and
toxicological properties have
not been thoroughly
investigated. After
absorption of toxic
quantities: CNS disorders
narcosis Toxic effect on:
Liver Kidney Other
dangerous properties can not
be excluded. Handle in
accordance with good
industrial hygiene and safety
practice.

12. Ecological information

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Persistence and degradability	Biodegradability aerobic Dissolved organic carbon (DOC) - Exposure time 28 d Result: 96 % - Readily biodegradable. (OECD Test Guideline 301E)
Toxicity to fish	Static test LC50 - Leuciscus idus (Golden orfe) - 6.812 mg/l - 96 h (DIN 38412 part 15)
Toxicity to daphnia and other aquatic invertebrates	Static test LC50 - Daphnia magna (Water flea) - 23.300 mg/l - 48 h Remarks: (ECHA)
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - > 1.000 mg/l - 7 d Remarks: (ECHA)
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No Information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

13. Disposal considerations

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Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

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UN number	ADR/RID: 3092 IMDG: 3092 IATA:3092	
UN proper shipping name	ADR/RID:1-Methoxy-2-propanol IATA:1-Methoxy-2-propanol	IMDG:1-Methoxy-2-propanol
Transport hazard class(es)	ADR/RID: 3 IMDG: 3 IATA: 3	
Packaging group	ADR/RID: III IMDG: III IATA: III	
Environmental hazards	ADR/RID: No IMDG: No IATA: No	
Special precautions for user	Tunnel restriction code : (C/E)	
Further information	Not classified as dangerous in the meaning of transport regulations.	
Transport in bulk according to IMO instruments	No data available	

15. Regulatory information

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Inventory status	Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.	
Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006	
Safety, health and environmental regulations specific for the product in question	European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed. EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC) Listed. PICCS -Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.	
National legislation	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : FLAMMABLE LIQUIDS	
Other regulations	Take note of Dir 94/33/EC on the protection of young people at work.	
Chemical Safety Assessment	A Chemical Safety Assessment has been carried out for this substance.	

16. Other information

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Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.
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