

## 1. Product and Company Identification

www.rxmarine.com

Product Name Glycerin USP  
Part Number RXSOL- 60-6139-030

Company Details:....

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Component	Weight %	CAS #	EINECS# / ELINCS#	Formula	Molecular Weight
Glycerin	>96	56-81-5	200-289-5	C3H8O3	92.09 g/mol
Water	Balance	7732-18-5	231-791-2	H2O	18.00 g/mol

## 3. Hazards Identification

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Signal Words: Warning

Pictograms: None

### GHS Classification

Eye irritation

Category 2B

### GHS Label Elements, including precautionary statements:

#### Hazard Statements

#### Precautionary Statement

P264

Wash hands thoroughly after handling.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing

P337+P313

If eye irritation persists: Get medical advice/attention.

#### Potential Health Effects

Eyes

Cause eye irritation.

Inhalation

May cause respiratory tract irritation

Skin	May cause skin irritation.
Ingestion	May be harmful if swallowed.
<b>NFPA Ratings</b>	
Health	1
Flammability	1
Reactivity	0
Specific hazard	Not Available
<b>HMIS Ratings</b>	
Health	1
Fire	1
Reactivity	0

## 4. First Aid Measures

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<b>Eyes</b>	Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary.
<b>Inhalation</b>	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
<b>Skin</b>	Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary
<b>Ingestion</b>	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary

## 5. Fire-fighting Measures

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<b>Suitable (and unsuitable) extinguishing media</b>	Excess heat may cause vapors to ignite. Use water spray, alcoholresistant foam, dry chemical or carbon dioxide on fires involving this product.
<b>Special protective equipment and precautions for firefighters</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots if necessary.
<b>Specific hazards arising from the chemical</b>	Emits fumes (oxides of carbon) under fire conditions.  (See also Stability and Reactivity section).

## 6. Accidental Release Measures

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<b>Personal precautions, protective equipment and emergency procedures</b>	See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions</b>	Do not let product enter drains. Any release to the environment may be subject to federal/national or local reporting requirements.
<b>Methods and materials for containment and cleaning up</b>	Absorb spill with vermiculite or other inert absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7. Handling and Storage

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<b>Precautions for safe handling</b>	Avoid contact with eyes. Avoid inhalation of vapor or mist. See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities)

## 8. Exposure controls and personal protection

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**Occupational exposure controls: Ventilation and appropriate grounding of containers.**

Component	Exposure Limits	Basis	Entity
Glycerin	15* mg/m3	PEL	OSHA
	5** mg/m3		
	10*** mg/m3	TLV	ACGIH

\*Total dust

\*\*Respirable fraction

\*\*\*Mist

TWA	Time Weighted Average over 8 hours of work.
TLV	Threshold Limit Value over 8 hours of work.
REL	Recommended Exposure Limit
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit during x minutes
IDLH	Immediately Dangerous to Life or Health
WEEL	Workplace Environmental Exposure Levels
CEIL	Ceiling

### Personal Protection

<b>Eyes</b>	Wear chemical safety glasses or goggles.
<b>Inhalation</b>	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
<b>Skin</b>	Wear nitrile or rubber gloves and apron or lab coat.
<b>Other</b>	Not Available
<b>Other Recommendations</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

## 9. Physical and chemical properties

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### Information on basic physical and chemical properties

Appearance (physical state, color, etc.)	Clear liquid.
Odor	Not Available
Odor threshold	Not Available
pH	5.5 - 8
Melting point/freezing point	20°C (68°F)
Initial boiling point and boiling range	182°C (360°F) at 27 hPa (20 mmHg)
Flash point	160°C (320°F)  closed cup

Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Upper/lower flammability or explosive limit	Lower - 0.9%
Vapor pressure	0.0033 hPa (0.0025 mmHg) at 50°C (122°F)
Vapor density	3.18 (air = 1)
Relative density	1.25 g/mL
Solubility (ies)	Soluble
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	370°C (698°F)
Decomposition temperature	Not Available

## 10. Stability and reactivity

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<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Air, incompatibilities.
<b>Incompatible Materials</b>	Oxidizers, bases.
<b>Hazardous Decomposition Products</b>	Carbon oxides

## 11. Toxicological information

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### Acute Toxicity

<b>Skin</b>	LD50 Dermal ♀ rabbit - >10,000 mg/kg .
<b>Eyes</b>	Eyes ♀ rabbit ♀ Mild eye irritation - 24 h
<b>Respiratory</b>	Not Available
<b>Ingestion</b>	LD50 Oral ♀ rat ♀ 12,600 mg/kg

### Carcinogenicity

<b>IARC</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>NTP</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>OSHA</b>	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Signs & Symptoms of Exposure

<b>Eyes</b>	May cause eye irritation .
<b>Inhalation</b>	Headache.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation
<b>Ingestion</b>	May be harmful if swallowed. Nausea, vomiting.

<b>Chronic Toxicity</b>	Kidney - Irregularities - Based on Human Evidence.
<b>Teratogenicity</b>	Not Available
<b>Mutagenicity</b>	Not Available
<b>Embryotoxicity</b>	Not Available

<b>Specific Target Organ Toxicity</b>	Kidney.
<b>Reproductive Toxicity</b>	Not Available
<b>Respiratory/Skin Sensitization</b>	Not Available

## 12. Ecological information

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### Ecotoxicity

<b>Aquatic Vertebrate</b>	LC50 $\approx$ Pimephales promelas (fathead minnow) $\approx$ 44,000 mg/l  LC50 $\approx$ Carassius auratus (goldfish) - >5,000 mg/l  LC50 $\approx$ Oncorhynchus mykiss (rainbow trout) $\approx$ 67,500 mg/l $\approx$ 96 hours
<b>Aquatic Invertebrate</b>	Not Available
<b>Terrestrial</b>	Not Available
<b>Persistence and Degradability</b>	Not Available
<b>Bioaccumulative Potential</b>	Not Available
<b>Mobility in Soil</b>	Not Available
<b>PBT and vPvB Assessment</b>	Not Available
<b>Other Adverse Effects</b>	Not Available

## 13. Disposal considerations

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<b>Waste Residues</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container
<b>Product Containers</b>	Users should review their operations in terms of the applicable federal/national or  local regulations and consult with appropriate regulatory agencies if necessary  before disposing of waste product container. Users should review their operations in terms of the applicable federal/national or  local regulations and consult with appropriate regulatory agencies if necessary  before disposing of waste product container.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods

## 14. Transport information

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US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods

IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/ICAO	Not Dangerous Goods

## 15. Regulatory information

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<b>TSCA Inventory Status</b>	All ingredients are listed on the TSCA Active inventory.
<b>DSL / NDSL</b>	All ingredients are listed on the DSL inventory.
<b>California Proposition 65</b>	Not Listed
<b>Rhode Island: Hazardous Substance List</b>	Listed: Glycerin (mist)
<b>Massachusetts: Toxic or Hazardous Substance List, Right to Know</b>	Listed: Glycerin (mist)
<b>Pennsylvania: Hazardous Substance List</b>	Listed: Glycerin
<b>New Jersey: Right to Know Hazardous Substance List</b>	Listed: Glycerin
<b>SARA 302</b>	Not Listed
<b>SARA 304</b>	Not Listed

## 16. Other information

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### Other Information

No data available

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.