

1. Product and Company Identification

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

Company Details:....

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

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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

P305+P351+P338

P337+P313

Potential Health Effects

Eyes

Inhalation

Wash hands thoroughly after handling.

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

If eye irritation persists: Get medical advice/attention.

Cause eye irritation.

May cause respiratory tract irritation

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

4. First Aid Measures

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Eyes	Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary.
Inhalation	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.
Skin	Flush with plenty of water for at least 15 minutes while removing contaminated clothing and
	wash using soap. Get medical attention if necessary
Ingestion	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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Suitable (and unsuitable)	Excess heat may cause vapors to ignite. Use water spray, alcoholresistant foam, dry chemical or carbon dioxide on fires involving this product.
extinguishing media	
Special protective equipment	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots if necessary.
and precautions for firefighters	
Specific hazards arising from the chemical	Emits fumes (oxides of carbon) under fire conditions. (See also Stability and Reactivity section).

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions	Do not let product enter drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods and materials for containment and cleaning up	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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Precautions for safe handling

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.

Conditions for safe storage, including any incompatibilities

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/m ³	PEL	OSHA
	5** mg/m ³	TLV	ACGIH
	10*** mg/m ³		

*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**Eyes**

Wear chemical safety glasses or goggles.

Inhalation

Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.

Skin

Wear nitrile or rubber gloves and apron or lab coat.

Other

Not Available

Other Recommendations

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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Chemical Stability

Stable

Possibility of Hazardous Reactions

Will not occur

Conditions to Avoid

Air, incompatibilities.

Incompatible Materials

Oxidizers, bases.

Hazardous Decomposition Products

Carbon oxides

11. Toxicological information

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Acute Toxicity

Skin

LD50 Dermal \square rabbit - >10,000 mg/kg .

Eyes

Eyes \square rabbit \square Mild eye irritation - 24 h

Respiratory

Not Available

Ingestion

LD50 Oral \square rat \square 12,600 mg/kg

Carcinogenicity

IARC

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.

ACGIH

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.

NTP

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.

OSHA

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

Eyes

May cause eye irritation .

Inhalation

Headache.

Skin

May be harmful if absorbed through skin. May cause skin irritation

Ingestion

May be harmful if swallowed. Nausea, vomiting.

Chronic Toxicity

Kidney - Irregularities - Based on Human Evidence.

Teratogenicity

Not Available

Mutagenicity

Not Available

Embryotoxicity

Not Available

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

12. Ecological information

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Ecotoxicity

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

13. Disposal considerations

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Waste Residues	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
Product Containers	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
Marine Pollutant
IATA/ICAO

Not Dangerous Goods
No
Not Dangerous Goods

15. Regulatory information

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

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 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.

No data available