

HAZARD COMMUNICATION SAFETY DATA SHEET
GLYCERIN 48% SOLUTION

SECTION I – PRODUCT INFORMATION

Distributor's name: Allied Rubber & Gasket Company, Inc. - ARGCO
3145 Tiger Run Court #105
Carlsbad, CA 92010
For information call: (800) 854-1015
Date prepared: 1/24/2022
Product name: GLYCERIN 48% FACTORY PRE-MIX
Recommended Use: Anti-Freeze

SECTION II – HAZARDS IDENTIFICATION

This product does not meet the Global Harmonizing System criteria for classification.

Hazard(s) not otherwise classified: Not Classified.

GHS PICTOGRAMS: Not Applicable

GHS SIGNAL WORD: Not Applicable

GHS HAZARD STATEMENTS: Not Applicable

GHS PRECAUTIONARY STATEMENTS: Not Applicable OSHA regulatory Status

Potential Health Effects

Routes of Exposure

Eyes

Skin

Inhalation

Ingestion

Signs and Symptoms

Potential Environmental Effects

Inhalation. Eye contact.

Contact may cause mild eye transient, irritation and redness

Unlikely to be skin irritant. Contact with heated product may cause thermal burns.

Mist may be irritative to respiratory tract.

Health injuries are not known or expected under normal use unless excessive amount.

Mild eye irritation.

Product is Biodegradable

SECTION III – COMPOSITION/INGREDIENTS

Components	CAS #	Percent
1,2,3- Propanetriol	56-81-5	40-60

SECTION VI – FIRST AID MEASURES

First aid procedures	
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue Rinsing. If irritation persists get medical attention.
Skin Contact	Rinse skin with water/shower. Get medical attention if irritation develops or persists.
Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if breathing becomes difficult.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION V – FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Water, Water spray, Foam, Dry Powder, Carbon dioxide (CO2)
Protection of Firefighters	
Protective equipment	Move containers from fire area if can do it without risk. Use water and precautions for spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.
Specific Methods	In the event of a fire, cool tanks with water spray. Use water spray to cool unopened containers.

SECTION VI – ACCIDENTAL RELEASE MEASURE

Personal precautions	Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	
Methods for containment	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material I, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up	Should not be released into the environment.
Large Spills:	Dike Far ahead of liquid spill for later disposal. Use a non combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Small Spills:	Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal, flush contaminated area thoroughly with water. Never return spills to original containers for re-use.

SECTION VII – HANDLING & STORAGE

Handling	Do not handle or store near an open flame, heat or other sources of Ignition. Avoid contact with eyes. Wear personal protective equipment. .Avoid prolonged exposure. Avoid release to the environment.
Storage	Keep away from heat, sparks and flame. Keep container tightly closed. Use care in handling and storage.

SECTION VIII-EXPOSURE CONTROLS'PERSONAL PROTECTION

Occupational exposure limits

ACGIH

Components	Type	Value	Form
1,2,3- Propanetriol (56-81-5)	TWA	10.0000mg/m3	Mist.

U.S.-OSHA

Components	Type	Value	Form
1,2,3- Propanetriol (56-81-5)	PEL	15.0000mg/m3 5.0000 mg/m3	Total dust. Respirable fraction

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye/face protection	Avoid contact with eyes. Wear Chemical goggles.
Skin protection	No special protective equipment required.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice.

SECTION IX- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Color	Colorless
Odor	Bland odor with sweet taste
Odor Threshold	Not available
Physical State	Liquid
Form	Liquid
pH	Not Available
Melting point	Not Available
Freezing point	Not Available
Boiling Point	212°F (100°C) approx.
Flash point	390.2(198.9°C) (as of Glycerin)
Evaporation rate	Same as Glycerin
Flammability limits in air, upper, %by volume	Not Available
Flammability limits in air, lower, %by volume	Not Available
Vapor pressure	17.5 mmHg (Water)
Vapor density	Not Available
Specific gravity	1.143
Relative density	Not Available
Solubility (Water)	Complete
Partition Coefficient	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
VOC	N.D.
Percent volatile	46.2% (approx)

SECTION X- CHEMICAL STABILITY AND REACTIVITY INFORMATION

Conditions to avoid	Heat, Flames and sparks.
Incompatible Materials	Strong oxidizing agents
Hazardous decomposition Products	Irritants. Toxic gas.

SECTION XI-TOXICOLOGICAL INFORMATION

Sensitization	Not Available
Local effects	Irritating to eyes
Chronic effects	Not Available
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
Skin corrosion/irritation	Not Available
Epidemiology	Not Available
Neurological Effects	Not Available
Reproductive effects	Not Available
Teratogenicity	Not Available

SECTION XII- ECOLOGICAL INFORMATION

Components	Test Results
1,2,3- Propanetriol (56-81-5)	LC50 Rainbow trout, Donaldson trout 51000-57000 mg/l 96.00 hours
Ecotoxicity	Ecological injuries are not known or expected under normal use.
Environmental Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and biodegradability	The product is readily biodegradable

SECTION XIII- DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
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SECTION XIV-TRANSPORTATION INFORMATION

DOT	Not DOT regulated material
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SECTION XV-REGULATORY INFORMATION

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910. 1200. All components are on the U.S. EPA TSCA Inventory List CERLA/SARA Hazardous Substances-Not applicable
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CERCLA (Superfund) Reportable Quantity
None

Superfund Amendments and Reauthorization act of 1986 (SARA)

Hazard categories	Immediate hazard- Yes Delayed Hazard- No Fire Hazard- No Pressure Hazard- No Reactivity Hazard No
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Section 302 extremely hazardous substance No

