

Safety Data Sheet

Section 3

Composition/Information on Ingredients

Based on our hazard evaluation, the following chemical substances have been identified as hazardous.

Ingredient	CAS Number	Percent (w/w)
Glycerin	56-81-5	5-10%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N- coco acyl derivs., inner salts	61789-40-0	1-5%
Quaternary ammonium compounds, alkylbenzyl dimethyl, chlorides	8001-54-5	0.1-1.0%

Section 4

First Aid Measures

Inhalation None expected under foreseeable conditions.

Ingestion Do NOT induce vomiting.
Drink plenty of water. Never give anything by mouth to an unconscious person. Call physician.

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11 for symptom information.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5

Fire-Fighting Measures

Suitable Extinguishing Media

Water spray (fog), Carbon dioxide (CO₂), Foam.

Unsuitable Extinguishing Media

No Information available

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out.

Section 6

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

For emergency responders Isolate area. Keep unnecessary personnel away.

Safety Data Sheet

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).
Methods for cleaning up	Soak up with inert absorbent material. Clean up spillage with brush and shovel. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

Section 7

Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling	Store in a cool, dry place, keep away from heat. Use personal protection recommended in Section 8. Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep Containers tightly closed in a dry, cool and well-ventilated place. Store between 40 to 100 ° F.
Incompatible materials	None known.

Section 8

Protection Information

Exposure Guidelines

Ingredient	CAS Number	OSHA PEL
Glycerin	56-81-5	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction

Appropriate Engineering Controls

Engineering Controls	Showers, eyewash stations, ventilation system.
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Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants is recommended).
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Safety Data Sheet

Section 9

Physical and Chemical Properties

Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Mild Odor	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear
<u>Property</u>	<u>Values</u>	<u>Remarks— Method</u>	
pH	5.3-5.7	± 1 @ 21°C	
Melting Point/Freezing Point	No information available		
Boiling Point/ Boiling Range	No information available		
Flash Point	> 93.3°C / > 200°F		
Evaporation rate	No information available		
Flammability (solid,gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure:	No information available		
Vapor density:	No information available		
Specific Gravity	0.91		
Water solubility	Soluble in water		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		

Section 10

Stability and Reactivity Data

Reactivity	Stable under recommended storage conditions.
Chemical Stability	None under normal processing.
Possibility of Hazardous Reactions	None under normal use conditions.
Conditions to avoid	None in particular.
Incompatible materials	None under normal use.

Hazardous Decomposition Products

None under normal use conditions.

Safety Data Sheet

Section 11

Toxicity Data

Information on likely routes of exposure

Product Information

Inhalation	No irritant under normal use.
Eye Contact Skin Contact	No irritant under normal use.
Ingestion	No irritant under normal use.
Information on toxicological effects	None expected under foreseeable conditions.
Symptoms	No Information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No Information Available
Germ cell mutagenicity	No Information Available
Carcinogenicity	No Information Available
Reproductive toxicity	No Information Available
STOT single exposure	No Information Available
STOT repeated exposure	No Information Available
Aspiration hazard	No Information Available

Numerical measures of toxicity –Product Information

Unknown Acute Toxicity No Information Available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin, 56-81-5	12600 mg/kg	> 10 g/kg (Rabbit)	> 570 mg/m ³ 1 hour (Rat)

Section 12

Ecological Data

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the address listed in Section 1 upon request.

Persistence and degradability

No Information Available.

Bioaccumulative potential

No Information Available.

Mobility

No information available.

Other adverse effects

No information available

Section 13

Disposal Information

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Safety Data Sheet

Section 14

Transport Information

DOT	Non hazardous
IATA	Non hazardous

Section 15

Regulatory Information

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL— Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances **US**

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substance regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations California Proposition 65

This product does not contain any Proposition 65 chemicals.

While the finished product is not considered hazardous as defined by OSHA in 29 CFR 1910.1200 (d), this SDS contains valuable information critical to the safe handling and proper use of the product.

Safety Data Sheet

Section 16

Additional Information

<u>NFPA</u>	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	1	1	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	1	1	0	B (safety glasses, gloves)

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet