



# SAFETY DATA SHEET

## AM-225

Issue Date: 01 Jan 2023

Revision Date: N/A

### PRODUCT IDENTIFICATION

**Company Product Name:** AM-225

**Other/Generic Names:** Glycerine Solution, Glycerin 99.7% Refined

**Product Use and Restrictions on Use** For Reverse Osmosis Membrane Preservation and lubricating seals

**Supplier:** Applied Membranes, Inc.  
2450 Business Park Dr  
Vista, CA 92081

**For More Information Call:** (760) 727-3711  
(Monday-Friday, 8:00am-5:00pm)

**For Emergency Call:** For Chemical Emergency, Spill Leak Fire Exposure or Accident - Call CHEMTREC Day or Night DOMESTIC NORTH AMERICA 800-424-9300 INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

### HAZARDS IDENTIFICATION

#### GHS Classification

- Serious eye damage / eye irritation - Category 2A

#### Label Element

- Causes skin and eye irritation.
- May cause irritation to the respiratory system.
- Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- Store in a closed container.
- Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### COMPOSITION/INFORMATION ON INGREDIENT

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
AM-225	56-81-5	48-100%

The components are not hazardous or are below required disclosure limits.



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### FIRST AID MEASURES

<b>SKIN:</b>	Immediately wash skin with plenty water for at least 15 minutes while removing contaminated clothing and shoes.
<b>EYES:</b>	If in eyes, hold eyes open, Flush eyes immediately with water for at least 15 minutes and see a doctor.
<b>INHALATION:</b>	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
<b>INGESTION:</b>	Never give liquid to an unconscious person.
<b>MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:</b>	No data available.
<b>INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NEEDED:</b>	No data available.

### FIRE FIGHTING MEASURES

**Suitable (and unsuitable) Extinguishing Media:** Use extinguishing media appropriate for material in surrounding fire.

**Specific Hazards arising from the chemical:** No data available.

**Special Protective Equipment and Precautions for Firefighting:** No data available.

### ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** No data available.

**Methods and Materials for Containment and Cleaning up:** Absorb spillage with non-combustible, absorbent material. Dike for later disposal.

### HANDLING AND STORAGE

**Precautions for Safe Handling:** Container must be kept tightly closed. Store away from incompatible materials.

**Conditions for Safe Storage, including any Incompatibilities:** No data available.



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### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

<u>Chemical Identity</u>	<u>Type</u>	<u>Exposure Limit values</u>	<u>Source</u>
AM-225 – Total dust	PEL	15 mg/m <sup>3</sup>	US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
AM-225 – Respirable fraction	PEL	5 mg/m <sup>3</sup>	US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
AM-225 – Total dust	TWA	10 mg/m <sup>3</sup>	US OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
AM-225 – Respirable fraction	TWA	5 mg/m <sup>3</sup>	US OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
AM-225 –Respirable fraction and dust or fume	TWA	5 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
AM-225 – Total dust	TWA	10 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
AM-225 – Vapor	ST ESL	1,000 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
AM-225 – Particulate	ST ESL	50 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
AM-225 – Vapor	AN ESL	100 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
AM-225 – Particulate	AN ESL	5 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)

**Appropriate Engineering Controls:** No data available.

#### **Individual Protection Measures, Such as Personal Protective Equipment**

GENERAL INFORMATION: No data available

SKIN/HAND PROTECTION: No data available.

EYE/FACE PROTECTION: No data available.

RESPIRATORY PROTECTION: No data available



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HYGIENE PROTECTION: No data available

### PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	No data available.
PHYSICAL STATE:	Liquid
ODOR:	No data available
ODOR THRESHOLD:	No data available
pH	No data available
INITIAL BOILING POINT/RANGE:	290°C
MELTING/FREEZING POINT:	18°C
VAPOR PRESSURE:	No data available
VAPOR DENSITY (air=1.0)	No data available
RELATIVE DENSITY:	No data available
SOLUBILITY (in water):	No data available
EVAPORATION RATE:	No data available
PARTITION COEFFICIENT (N-OCTANOL/WATER):	No data available
VISCOSITY:	No data available
FLASH POINT:	177°C
AUTOIGNITION TEMPERATURE:	No data available
UPPER FLAME LIMIT(volume % in air):	No data available
LOWER FLAME LIMIT (volume % in air):	No data available
DECOMPOSITION TEMPERATURE:	No data available
FLAMMABILITY (solid, gas):	No data available

### STABILITY AND REACTIVITY

**REACTIVITY:** No data available.

**CHEMICAL STABILITY:** No data available.

**POSSIBILITY OF HAZARDOUS RECTIONS:** No data available.

**CONDITIONS TO AVOID:** No data available.

**INCOMPATIBILITIES:** No data available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available.



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### TOXICOLOGICAL INFORMATION

#### POTENTIAL HEALTH HAZARDS

##### ACUTE EFFECTS OF EXPOSURE

SKIN: No data available

EYES: No data available

INHALATION: No data available

INGESTION: No data available

CHRONIC EFFECTS: No data available

**Ingredients found on one of the three OSHA designated carcinogen lists are listed below.**

<u>Ingredient Name</u>	<u>NTP Status</u>	<u>IARC Status</u>	<u>OSHA List</u>
No ingredient listed in this section	----	----	----

**Other Data:** No data available

### ECOLOGICAL INFORMATION

**Ecotoxicity:** The following ecotoxicity data is available for AM-225

Daphnia LC50 24h → 10,000 mg/L mortality

Fish LC50 96h → 51,000 – 57,000 mg/L mortality

**Persistence and Degradability:** BOD/COD ratio – No data available.

**Bioaccumulative Potential:** Partial coefficient n-octanol/water (log Kow) → -1.76

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

### DISPOSAL CONSIDERATIONS

#### RCRA

**Disposal Instructions:** No data available.

**Contaminated packaging:** No data available.



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### TRANSPORT INFORMATION

Not regulated for US domestic ground transportation.

### REGULATORY INFORMATION

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** None present or none present in regulated quantities.

**CERCLA Hazardous Substances List (40 CFR 302.4):** None present or none present in regulated quantities.

**SARA 302 Extremely hazardous substances:** None present or none present in regulated quantities.

**SARA 304 Emergency release notification:** None present or none present in regulated quantities.

**SARA 311/312 Hazardous chemical:**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Glycerine	500 lbs

**SARA 313 (TRI reporting):** None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)** None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112 ® Accidental Release Prevention (40 CFR 68.130):** None present or none present in regulated quantities.

**US California Proposition 65:** No ingredient regulated by CA Prop 65 present.

**US New Jersey Worker and Community Right-to-Know Act:**

Glycerine	Listed
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**US Massachusetts RTK – Substance List:**

Glycerine	Listed
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**US Pennsylvania RTK – Hazardous Substances:**

Glycerine	Listed
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**US Rhode Island RTK:** No ingredient regulated by RI Right-to-Know Law present.



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### OTHER INFORMATION

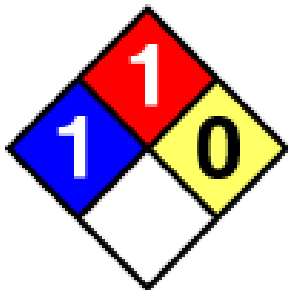
#### HMIS Hazard ID:

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

B – Safety Glasses and Gloves

Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; \*Chronic health effect

#### NFPA Hazard ID:



Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

**Current Issue Date:** 01 Jan 2016

**Previous Issue date:** N/A

**Changes to SDS from Previous Issue Date are Due to the following:** No changes.