

AM-22

Material Safety Data Sheet

Issue Date: 10/25/02 Revision Date: 12/02/08 Supersedes: 12/02/08

Product Identification:

Manufacturer's Name:	Applied Membranes, Inc.
Address:	2325 Cousteau Ct., Vista, CA 92081-8346
Phone No.:	(760) 727-3711
Applied Membranes, Inc. Name:	AM-22
Trade Name:	Alkaline TFC Membrane Cleaner
Chemical Name:	Compound Alkaline Membrane Cleaner
Chemical Formula:	Proprietary
Emergency Phone:	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)

Composition/ Information on Ingredients

<u>CAS no.</u>	<u>Conc%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
trade secret			

Hazardous Ingredients:

None.

First Aid Measures:

Effects of Exposure

Eye contact:	No more than slightly irritating.
Skin Contact:	No more than slightly irritating.
Inhalation:	This product may cause coughing, chest tightness, runny nose, chest pain and burning throat.
Ingestion:	No more than slightly toxic. Swallowing large quantities may result in nausea, vomiting, gastrointestinal tract irritation.

First Aid Measures

Eye Contact:	Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.
Skin Contact:	Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.

Respiratory:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion:	Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

Fire and Explosion Data:

Flash Point/Method:	Not combustible.
Extinguishing Media:	Not applicable.
Special Fire Fighting Procedures:	Not applicable.
Unusual Fire and Explosion Hazards:	None known.

Accidental Release Measures:

Spill or Leak Procedures:

In case of spill, sweep, scoop or vacuum and remove. If possible, complete clean-up on a dry basis. Flush residual spill area with water.

Handling and Storage:

Precautions To Be Taken In Handling And Storing:

Avoid breathing dust.

Keep container closed.

Use only with adequate ventilation.

Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

STORAGE: Store in a cool, dry place to maintain product performance.

Exposure Control/ Personal Protection:

Personal Protection

Eye Contact:	This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.
Skin Contact:	Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.
Respiratory:	Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 19103134
Ventilation:	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

Physical and Chemical Properties:

Appearance and Odor:	White powder with no distinct odor.
Physical State:	Powder
pH (1% soln.):	12
Solubility in Water:	Soluble

Stability and Reactivity:

Stability:	Stable under normal conditions.
Incompatibility:	None known.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

Toxicological Information:

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

OSHA PEL ACGIH TLV

15 mg/m³ (total dust) 8-hr TWA 10 mg/m³ (inhalable) 8-hr TWA

5 mg/m³ (respirable) 8-hr TWA 3 mg/m³ (respirable) 8-hr TWA

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

Transport Information:

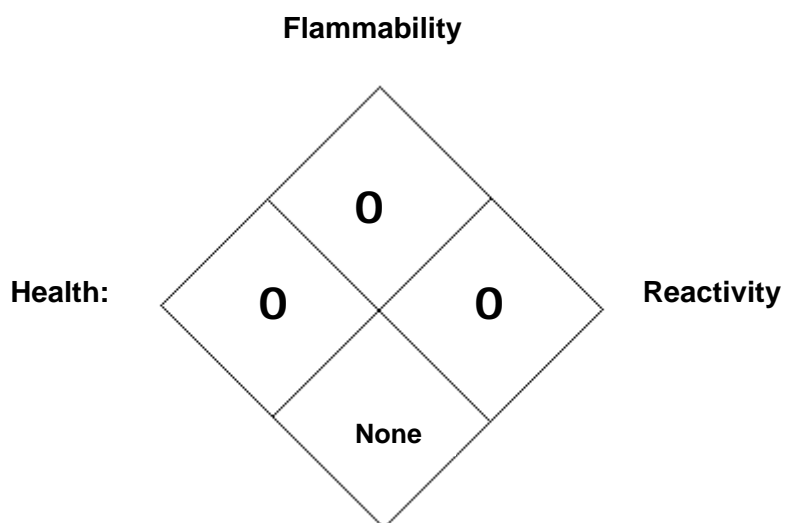
Not D.O.T. regulated.

HMIS Rating

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Key

4= Severe
3= Serious
2= Moderate
1= Slight
0= Minimal



SPECIAL HMIS RATINGS NOTES:

Protection = H (Safety goggles, gloves, apron and a vapor respirator)