

AM-99

Material Safety Data Sheet

Issue Date: 7/25/03 Revision Date: 12/02/08 Supersedes: 12/02/08

Product Identification:

Manufacturer's Name:	Applied Membranes, Inc.
Address:	2325 Cousteau Ct., Vista, CA 92081
Phone No.:	(760) 727-3711
Applied Membranes, Inc. Name:	AM-99
Trade Name:	TFC Type RO Membrane Cleaner
Chemical Name:	Proprietary
Chemical Formula:	Proprietary
Emergency Phone Number:	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)

Hazardous Ingredients:

None

First Aid Measures:

Effects of Exposure

Avoid skin and eye contact and inhalation of dust. Wear overalls, safety glasses or goggles and chemical resistant gloves and boots. Respiratory protection is required if airborne concentration is high or unknown. An approved dust/mist respirator may be worn. Always wash hands before smoking, eating, drinking or using the toilet.

Emergency First Aid Procedures

Ingestion:	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. If conscious, immediately rinse mouth with water & give water to drink. DO NOT induce vomiting. Seek immediate medical assistance. Do not give liquids to an unconscious person.
Eye Contact:	Causes eye irritation. May cause chemical conjunctivitis. Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance
Skin Contact:	May cause skin irritation. Remove contaminated clothing. Wash affected area with large amount of soap and water. If irritation develops seek immediate medical assistance.

Inhalation:	Dust may cause irritation of the respiratory tract. Can produce delayed pulmonary edema. Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured ensure airways are clear and administer oxygen. If breathing has stopped apply artificial respiration at once. Seek immediate medical assistance.
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Fire Fighting Measures:

Flash Point/Method	Material does not exhibit a flash point.
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire. Use water spray, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures:	Firefighters should be equipped with appropriate protective apparel, and Niosh-approved breathing apparatus.
Unusual Fire and Explosion Hazards:	Not considered to be a fire hazard. In sufficient quantity and reduced particle size, this material is capable of causing a dust explosion.

Accidental Release Measures:

Spill or Leak Procedures:

Wear proper protective equipment. Ventilate area. Respiratory protection is required in dusty environment. Sweep up spill but avoid generating dust. With a clean shovel, transfer spilled material into clean-labeled containers for disposal.

Waste Disposal:

Dispose of according to local, state, and federal pollution regulations.

Handling and Storage:

Precautions to be taken in handling and storage:

Store in a cool, dry, well ventilated place. Keep containers tightly closed. Protect from physical damage. Store away from incompatible materials.

Exposure Control/ Personal Protection:

Respiratory Protection:	dust/mist respirator may be worn
Local Exhaust:	Generally Acceptable
Protective Gloves:	chemical resistant gloves and boots
Eye Protection:	safety glasses or goggles
Other Protective Equipment:	Eye-wash; safety shower; protective clothing

Physical and Chemical Properties:

Appearance and Odor:	Crystalline off-white powder
Physical State:	Solid.
pH (1% soln.):	11.0 - 11.5
Solubility in Water:	60g/100ml @ 22°C
Boiling Point:	No data available
Melting Point:	>300°C (decomposes)
Vapor Pressure at 20° C (mm. HG.):	No data available
Bulk Density:	approx 0.65g/cm ³

Stability and Reactivity:

Stability:	Stable under normal temperatures and pressures.
Incompatibility:	Incompatible with strong oxidizing agents. Avoid contact with aluminum, zinc, nickel, copper and copper alloys. Avoid dust generation.
Hazardous Polymerization:	Will not occur.