



SAFETY DATA SHEET

AM-99

Issue Date: 01 Jan 2016

Revision Date: N/A

PRODUCT IDENTIFICATION

Company Product Name: AM-99

Other/Generic Names: TFC Type RO Membrane Cleaner

Product Use and Restrictions on Use Membrane Cleaner.

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 AND COMPOSITION/INFORMATION ON INGREDIENT

Hazardous Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
None	---	---	---	---

FIRST AID MEASURES

Effect 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

SKIN: May cause skin irritation. Remove contaminated clothing. Wash affected area with large amount of soap and water. If irritation develops seek immediate medical assistance.

EYES: 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



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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 labored ensure airways are clear and administer oxygen. If breathing has stopped apply artificial respiration at once. Seek immediate medical assistance.

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.

FIRE FIGHTING MEASURES

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.

Flash Point/ Method: Material does not exhibit a flash point.

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

EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Dust/mist respirator may be worn.

LOCAL EXHAUST: Generally Acceptable.



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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: Crystalline, Off-White Powder
 PHYSICAL STATE: Solid.
 SOLUBILITY IN WATER: 60g/100ml @ 22°C.
 pH (1% Solution): 11.0 – 11.5
 BOILING POINT: No data available.
 MELTING POINT: >300°C (decomposes)
 VAPOR PRESSURE at 20°C (mmHg): No data available.
 BULK DENSITY: Approx. 0.65 g/cm³

STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Incompatible with strong oxidizing agents. Avoid contact with aluminum, zinc, nickel, copper and copper alloys. Avoid dust generation.

HAZARDOUS POLYMERIZATION: Will not occur.

TOXICOLOGICAL INFORMATION

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	----	----	----

ECOLOGICAL INFORMATION

Ecotoxicity: The following ecotoxicity data is available for AM-66.

Daphnia EC50 48h → No data available.
 Fish LC50 96h → No data available.
 Algae EC50 72h → No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.



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Mobility in Soil: No data available.

Other Adverse Effects: No data available.

DISPOSAL CONSIDERATIONS

No data available.

TRANSPORT INFORMATION

US DOT HAZARD CLASS: Not regulated.
US DOT ID NUMBER: Not applicable.
PROPER SHIPPING NAME: Not applicable.

REGULATORY INFORMATION

No data available.

OTHER INFORMATION

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