



SAFETY DATA SHEET

AM-33

Issue Date: 01 Jan 2016

Revision Date: N/A

PRODUCT IDENTIFICATION

Company Product Name: AM-33

Other/Generic Names: CA/CTA Membrane Organics Cleaner, Compound Powder Cleaner

Product Use and Restrictions on Use Organic 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 & COMPOSITION/INFORMATION ON INGREDIENT

- Recognized as safe.
- No more than slightly toxic.
- Swallowing large quantities may result in nausea or vomiting.
- No more than slightly irritating.
- This product may cause an irritation to a person's eyes or skin if they were to come in contact.
- Product may also cause respiratory irritation.

Hazardous Ingredient: None

Substance: Proprietary:

<u>Ingredient Name</u>	<u>CAS Number</u>
Sodium TripolyPhosphate	7758-29-4
EDTA	60-00-4
Citric Acid	77-92-9
Tetra Sodium	301206-84-8



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FIRST AID MEASURES

Effects of Exposure

- INGESTION:** Irritant to mucous membranes and digestive tract.
- EYE CONTACT:** Irritant to eyes. May cause burns.
- SKIN CONTACT:** Mild irritant to skin.
- INHALATION;** Irritant to mucous membranes and respiratory system.

Emergency First Aid

- SKIN:** Flush all affected areas with plenty of water for several minutes. Remove and clean any contaminated clothing and shoes. Seek medical attention if skin irritation occurs.
- EYES:** Flush the eyes with plenty of running water for at least 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Seek medical attention if eye irritation occurs.
- INHALATION:** If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.
- INGESTION:** If swallowed, immediately give several glasses of water and induce vomiting by gagging the victim with a finger placed at the back of the victim's tongue. Give fluids until vomitus is clear. If victim is unconscious or convulsing, do not induce vomiting or give anything by mouth.

FIRE FIGHTING MEASURES

Flash Point/Method: Non-combustible.

Extinguishing Media: Water, foam, carbon dioxide, dry chemicals.

Specific Fire Fighting Procedures: None.

Unusual Fire and Explosion Hazards: Sulfur Dioxide (SO₂)/Sulfur Trioxide (SO₃), ammonia, and carbon and nitrogen oxides may be released during a fire.

Upper/Lower Explosive Limit: Not Applicable.



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ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Sweep up and containerize dry material. Flush spill area with water.

Waste Disposal: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations.

Methods and Materials for Containment and Cleaning up: Promptly sweep up material with minimum dusting and shovel into an empty container with a cover. Rinse spill area with plenty of water.

HANDLING AND STORAGE

Precautions to Be Taken In Handling and Storing: Containers should be stored in a cool, dry, well-ventilated area. Store away from foodstuffs or animal feed. Exercise caution to prevent damage to or leakage from containers.

EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION:	Good general mechanical ventilation should be sufficient for most conditions.
EYE PROTECTION:	Wear chemical goggles if airborne dust is expected.
RESPIRATORY PROTECTION:	Use NIOSH/MSHA approved respiratory protection if airborne dust is expected.
GLOVES:	Use chemically resistant glove.
PROTECTIVE CLOTHING:	Long sleeved shirt and pants
OTHER PROTECTIVE EQUIPMENT:	No special requirements.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder.
ODOR:	No distinct odor.
SOLUBILITY IN WATER:	Completely.
pH (3% solution):	7-8.
EVAPORATION RATE (Water=1):	Non-volatile.
% VOLATILE BY VOLUME:	Non-volatile.
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not Available.



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STABILITY AND REACTIVITY

REACTIVITY: Not normally reactive.

STABILITY: Stable under normal storage and use conditions.

POSSIBILITY OF HAZARDOUS RECTIONS: Reacts with acids to form toxic and irritating sulfur dioxide gas.

CONDITIONS TO AVOID: Prolonged heating greater than 392°F which will result in loss of water hydration. Strong oxidizing agents such as chromic acid, potassium permanganate and high concentrations of hydrogen peroxide. Aqueous solutions of this material are corrosive to common metals such as aluminum, copper alloys, galvanized iron and nickel.

INCOMPATIBILITIES: This material is degraded by strong oxidizing agents such as chromic acid, potassium permanganate and high concentrations of hydrogen peroxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may be hazardous. Sulfur Dioxide (SO₂)/sulfur trioxide (SO₃), ammonia, and carbon and nitrogen oxides may be released during a fire.

HAZARDOUS POLYMERIZATION: Will not occur.

TOXICOLOGICAL INFORMATION

ORAL (Acute): The acute oral LD50 is 630 to 1260 mg/kg in rats.

DERMAL (Acute): The acute dermal LD50 is greater than 5,000 mg/kg in rabbits.

ECOLOGICAL INFORMATION

Biological Degradability: Easily Degradable.

Does not disturb waste water purification if properly used.

DISPOSAL CONSIDERATIONS

Dispose of waste material according to federal, state and local regulations.

May be disposed of in drain in a suitable facility, provided local regulations are observed.

Soiled, empty containers are to be treated in the same way as the contents.



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TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated.
DOT HAZARD CLASSIFICATION: Not regulated.
DOT LABELS: Not required.
DOT MARKING: Not required.
DOT PLACARD: Not required.
HAZARDOUS SUBSTANCES/RQ: Not applicable.
49 STCC NUMBER: None.

Emergency Accident Precautions and Procedures: See instructions for Release or Spill.

REGULATORY INFORMATION

Product or Component of Product/ CAS No.: Tetrasodium Ethylenediaminetetraacetate/64-02-8.
SARA Section 302 EHS RQ: Not Listed.
SARA Section 302 EHS TPQ: Not Listed.
SARA Section 313 Chemicals List: Not Listed.
CERCLA Sec. 103: Not Listed.
Reportable Quantity (RQ) Sec. 302.4: Not Listed.
RCRA Sec. 261.33: Not Listed.
Material Is Reported in EPA TSCA Inventory List? Yes.
California Prop. 65: Yes.

Hazardous Categories for SARA Section 311/312 Reporting

Immediate (Acute) Health: Yes.
Delayed (Chronic) Health: No.
Fire: No.
Pressure: No.
Reactive: No.

SARA SECTION 302 EHS RQ: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.



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SARA SECTION 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk(*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 lbs.

SARA 313 CHEMICALS LIST: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA SEC. 103: Comprehensive Environmental Response, Compensation and Liability Act (Superfund).

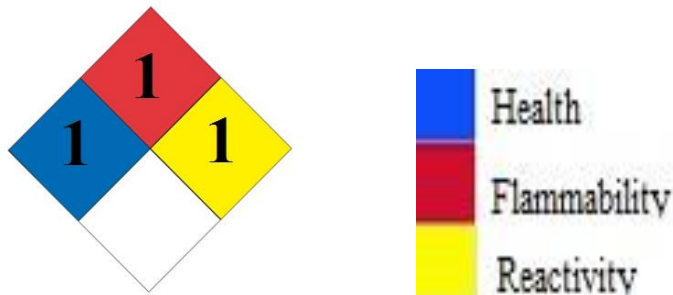
REPORTABLE QUANTITY (RQ) SEC. 302.4: Chemicals listed on 40 CFR 302.4. Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center.

RCRA SEC. 261.33: Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33.

OTHER INFORMATION

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1

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



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SPECIAL HMIS RATINGS NOTES:

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