



## **SAFETY DATA SHEET**

### **AMCO 344**

Revised October 2016

**AMCO Inc.  
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**EMERGENCY CONTACT  
1-800-424-9300  
(CHEMTREC)**

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#### **SECTION 1: OSHA HAZARD CLASSIFICATIONS**

Mildly corrosive to skin and eyes. Can irritate mucous membranes.

#### **SECTION 2: HAZARDOUS COMPONENTS**

	CAS Number	Percent	TLV
Sulfonated Malaichydride Copolymer	68037-40-1	3-5	N/A
Sodium Hexametaphosphate	7320-34-5	5	N/A
Diethylaminoethanol	100-37-8	6	50mg/m <sup>3</sup>
Sodium Sulfite	7751-83-7	8	N/A

The remainder of the components for this product are proprietary and not listed on any hazardous substance or control list.

#### **SECTION 3: PRECAUTIONARY LABEL INFORMATION**

**CAUTION-** Irritating to the skin. May cause dermatitis. Do not get in eyes. Avoid contact with skin and clothing. Wear goggles and face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Remove and wash contaminated clothing before reuse. Prolonged, or repeated skin contact may cause allergic reactions in some individuals.

## **SECTION 4: FIRST AID INFORMATION**

**INHALATION:** Immediately move individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing, or is cyanotic, seek a health care professional immediately.

**EYE EXPOSURE:** Immediately flush eyes with large quantities of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

**SKIN EXPOSURE:** Wash affected areas thoroughly with water for at least 15 minutes. Repeat washing. Remove contaminated clothing and wash before reuse. If irritation persists, take exposed individual to health care professional/

**INGESTION:** DO NOT INDUCE VOMITING. *Rinse* mouth with copious amounts of water or milk, irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. If individual is comatose or semi-comatose or convulsing, DO NOT give fluids by mouth. In the case of intentional ingestion of the product seek medical assistance immediately and take the individual to the nearest medical facility.

**NOTE TO PHYSICIAN:** No specific antidote is known. Treat symptomatically to control symptoms and clinical condition.

## **SECTION 5: PRIMARY ROUTES OF EXPOSURE**

### **ACUTE EXPOSURE**

**INHALATION:** Exposed individual should be monitored for respiratory distress, bronchitis or pneumonia. Inhalation can cause irritation to the respiratory tract and lungs.

**EYE EXPOSURE:** Can cause severe irritation depending on the length of the exposure, solution concentration, and first aid measures. Exposure is expected to be harmful.

**SKIN EXPOSURE:** General irritant can cause severe skin irritation depending on the length of exposure, solution concentration, and first aid measures.

### **CHRONIC EXPOSURE**

Chronic toxicity testing on the active ingredients indicate no significant chronic effects.

## **SECTION 6: TOXICOLOGICAL INFORMATION**

**Acute Effects:** Acute toxicity studies have not been conducted on this product. But toxicity studies on the ingredients in Section 2 have been reviewed. Results are shown below.

**Acute Dermal Toxicity:** (albino rats) Sulfonated Malaichydride Copolymer=LD50=1000mg/kg

**Acute Oral Toxicity:** (albino rats) Sodium Hexametaphosphate –LD50 (rat)>6G/kg-practically non-toxic.

**Acute Dermal Toxicity:** LD50 (albino rabbits) Sodium Hexametaphosphate LD 50 practically no-toxic.

**SECTION 7: ENVIRONMENTAL TOXICOLOGICAL INFORMATION**

**SECTION 8: PHYSICAL AND CHEMICAL CHARACTERISTICS**

Appearance.....	Clear Liquid
Odor.....	Slight
Specific Gravity (H <sub>2</sub> O).....	1.125
Solubility In Water.....	Complete
Flashpoint.....	N/A
pH.....	10.5
Boiling Point.....	<212°F

**SECTION 9: FIRE AND EXPLOSION INFORMATION**

Flammability Limits-N/A  
Extinguishing Media-N/A  
Special Firefighting Procedures- Dry chemical, carbon dioxide, foam or water. If water is boiled away, remaining organics may be ignitable. Water spray may be used to cool containers.

**SECTION 10: REACTIVITY INFORMATION**

Stability: Material is stable at 25°C for greater than six(6) months.  
Incompatibility: Strong oxidizers such as chlorine, hydrogen peroxide, chromate, nitric acid, perchlorate, concentrated oxygen and permanganates.  
Hazard Decomposition Products: Thermal decomposition may result in the formation of CO, CO<sub>2</sub>, and NO<sub>x</sub>.

**SECTION 11: HANDLING PRECAUTIONS**

Protective gloves and chemical goggles or face shields are required. Eyewash fountains in work place strongly recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

**SECTION 12: SATISFACTORY MATERIALS OF CONSTRUCTION**

**SECTION 13: SPILL LEAK AND DISPOSAL PROCEDURES**

In the event of transportation accidents, call the following telephone number – CHEMTREC at 800-424-9300.

Spill and Leak Guidelines: IMPORTANT, Before responding to a spill or leak of this product, review each section of this MSDS. Follow recommendations given in the handling precautions Section 11. Check the fire and explosion data section to determine if the use of non-sparking tools is merited. Ensure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuating enclosed areas.

Minimize areas of spill or leak. Block any potential routes to water systems (e.g. sewers, streams, lakes, etc.) based on the products toxicological and chemical properties and the size and location of the spill or leak, assess the impact on contaminated environments (e.g. water systems, ground, air equipment, etc.). Determine if federal, state, or local release notification is required. Recover as much of the pure product as possible into appropriate containers. Spill or leak residuals may be collected and disposed of. Clay, soil or any commercially absorbent material may be used to recover any material that cannot be readily recovered as pure product. Flush residual material to an industrial sewer, if present at the site of the leak incident. If product and/or spill leak residuals are flushed to an industrial sewer ensure that they do not come in contact with incompatible materials.

Disposal Guidelines: Contaminated materials: Determine if waste contained in this product can be handled by an industrial effluent system or other on-site waste management unit. If off-site management is required contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Conservation and Recovery Act (RCRA) hazardous waste, however, spill or leak residuals may meet the criteria of a characteristic hazardous waste under the Act. Check the characteristics of the material to be disposed of and/or the physical activity given in the MSDS.

Container Disposal: Empty containers as defined by the appropriate sections of RCRA, are not RCRA hazardous waste. However, ensure proper management of any residuals remaining in the containers. Containers should not be reused until properly reconditioned.

## **SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION**

D.O.T. Shipping Name: Alkaline Corrosive Liquid – N.O.S., 8 UN 1760 PG III (ERG Guide 60)

## **SECTION 15: REGULATORY INFORMATION**

The following regulations are known to apply to the use and disposal of this product. Additional federal, state, and local regulations may be applicable.

OSHA's hazard communication rule 29 CFR 1910.1200: based on hazard evaluation no of the ingredient(s) in this product are hazardous.

SARA (Superfund Amendments and Reauthorization Act):

SARA 302 Extremely Hazardous Substances List- No components are listed.  
SARA 312 Hazard Category-No components are listed.  
SARA 313 Toxic Chemical List- No components are listed.

RCRA (Resource Conservation and Recovery Act)  
Listed Hazardous Waste- Waste containing this product may have the hazardous waste number D002 (corrosive) (40 CFR 261.22).

TSCA (Toxic Substance Control Act)  
Applicability- Chemical ingredients in this product are on the 8 (b) inventory list (40 CFR 710)

State Right To Know Laws

Carboxylate Terpolymer  
Hydroxycarboxylic Acid

Trade Secret Proprietary  
Trade Secret Proprietary

NFPA Rating:            Health – 1                    Flammability – 0                    Reactivity - 1