

SAFETY DATA SHEET  
ANABEC FLAME & FIRE RETARDANT



**SECTION 1 – PRODUCT IDENTIFICATION**

**PRODUCT NAME:** ANABEC FLAME & FIRE RETARDANT  
**PRODUCT NUMBER:** 0110723  
**CAS NUMNER:** Mixture  
**RECOMMENDED USE:** FLAME/FIRE RETARDANT BARRIER  
**COMPANY INFORMATION:** EMCO FINISHING PRODUCTS  
470 CRESCENT STREET  
JAMESTOWN, NEW YORK 14701  
PHONE: (716) 483-1176  
FAX: (716) 664-6680  
**EMERGENCY PHONE:** (800) 424-9300 (CHEMTREC)

**SECTION 2 – HAZARDS IDENTIFICATION**

**HAZARD CLASSIFICATION:** Skin Corrosion/Irritation – 2  
Serious Eye Damage/Eye Irritation – 2A  
STOT SE – 3  
Reproductive Toxicity – 2  
Acute Toxicity, Oral - 5  
Hazardous to Aquatic Environment – Acute – 1  
Hazardous to Aquatic Environment – Long-Term - 1

**SIGNAL WORD:** WARNING



**HAZARD PICTOGRAMS:**

**HAZARD STATEMENTS:** MAY BE HARMFUL IF SWALLOWED  
CAUSES SKIN IRRITATION  
CAUSES SERIOUS EYE IRRITATION  
MAY CAUSE RESPIRATORY IRRITATION  
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD  
MAY BE HARMFUL IF SWALLOWED  
VERY TOXIC TO AQUATIC LIFE  
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

**PRECAUTIONARY STATEMENTS:**

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**PREVENTION:** Read label before use. Keep/store away from heat, hot surfaces, sparks, open flames and other ignition sources. Use only non-sparking tools. Avoid breathing vapors. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area. Wear protective gloves and eye protection. In case of inadequate ventilation, wear respiratory protection.

**RESPONSE:** If swallowed, do NOT induce vomiting. Get medical attention. If on skin, rinse with plenty of water. If symptoms persist, get medical attention. If inhaled: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, get medical attention. If in eyes, rinse thoroughly for 15 minutes. Remove contact lenses and continue washing. Get medical attention. If on clothing, wash before reuse. In case of a fire, fight fire with normal precautions from a reasonable distance.

**STORAGE:** Store in a closed container. Keep in a cool well-ventilated place.

**DISPOSAL:** Dispose contents in accordance with federal, state, and local regulations.

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### SUBSTANCE/MIXTURE:

INGREDIENT	PERCENT COMPOSITION	CAS NUMBER
Ammonium polyphosphate	15-25%	68333-79-9
Modified polymer dispersion	5-15%	N/A
Disodium octaborate, tetrahydrate	5-15%	12280-03-4
Xanthan gum	<1%	1138-66-2

### SECTION 4 – FIRST-AID MEASURES

**IF INHALED:** Remove to fresh air. If not breathing or breathing is difficult, give oxygen or artificial respiration and get medical attention.

**IF SKIN CONTACT:** Immediately wash skin with mild soap and large volumes of water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention if symptoms persist.

**IF EYE CONTACT:** Thoroughly flush eyes with large volumes of clean, low pressure water for at least 15 minutes while holding eyelid open. Remove contact lenses, if worn, after initial flushing and then continue flushing. Get immediate medical attention.

**IF SWALLOWED:** Rinse mouth with water. Drink water. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention.

### SECTION 5 – FIRE-FIGHTING MEASURES

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**SUITABLE EXTINGUISHING MEDIA:** Water fog or spray, alcohol resistant foam, dry chemical, carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water in a tight stream.

**SPECIFIC FIREFIGHTING HAZARDS:** If possible, keep nearby containers cool. Heat may build enough internal pressure to rupture a closed container, potentially spreading the fire and increasing risk. Oxides of carbon and other possible toxic solids, vapors, and/or gases may be emitted.

**SPECIAL FIREFIGHTING EQUIPMENT/PROCEDURE:** Wear full protective clothing and self-contained breathing apparatus or air mask. Fight large fires from a safe distance. If possible do not allow discharge runoff into the water environment.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPEMENT:**

Handle in accordance with good industrial hygiene and safety practice. Use chemical resistant gloves and safety glasses with side shields or goggles. To prevent contact with skin, wear clothing covering all exposed areas.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP/EMERGENCY PROCEDURE:**

Ventilate the area. Avoid breathing dust or vapor. Use a self-containing breathing apparatus or air mask for larger spills. Remove all sources of sparks or ignition. Clean and dispose contaminated area into an appropriate disposal container.

### SECTION 7 – HANDLING AND STORAGE

**HANDLING:** Handle in accordance with good industrial hygiene and safety practice. Do not smoke near chemicals.

**STORAGE:** Keep in cool, well-ventilated area away from any source of heat, sparks, or open flames. Keep container sealed tight when not in use. Ensure proper labeling on the container.

### SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

**INGREDIENTS:**

INGREDIENT	OSHA	ACGIH	CERCLA RQ	SARA 302 EHS	SARA 313	HUMAN CARCINOGEN
Ammonium polyphosphate	No data	No data	None Listed	No	Yes	No
Modified polymer dispersion	No data	No data	None Listed	No	No	No

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Disodium octaborate, tetrahydrate	No data	No data	None Listed	No	No	No
Xanthan gum	No data	No data	None Listed	No	No	No

### **PERSONAL PROTECTIVE EQUIPMENT**

Eye/Face Protection: Safety glasses with side-shields.  
Skin Protection: Protective gloves and impervious clothing.  
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

**HYGIENE MEASURES:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**ADDITIONAL MEASURES:** Ensure adequate ventilation, especially in confined areas.

### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid  
**COLOR:** Clear  
**ODOR:** Cleaner  
**ODOR THRESHOLD:** No data available  
**pH:** 8.4  
**MELTING POINT/FREEZING POINT:** No data available  
**BOILING POINT/RANGE:** >200° F  
**FLASH POINT:** N/A  
**EVAPORATION RATE:** No data available  
**LOWER EXPLOSIVE LIMIT:** NA  
**UPPER EXPLOSIVE LIMIT:** NA  
**VAPOR PRESSURE:** No data available  
**VAPOR DENSITY:** No data available  
**SPECIFIC GRAVITY:** 0.98  
**SOLUBILITY IN WATER:** Yes  
**SOLUBILITY IN OTHER SOLVENTS:** No  
**PARTITION COEFFICIENT (N-OCTANOL/WATER):** No data available  
**AUTO-IGNITION TEMPERATURE:** No data available  
**DECOMPOSITION TEMPERATURE:** No data available  
**VISCOSITY:** No data available  
**VOC:** 0 lbs./gallon

### **SECTION 10 – STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable under normal conditions of use  
**HAZARDOUS POLYMERIZATIONS:** None anticipated under normal conditions of use  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None anticipated under normal conditions of use  
**CONDITIONS TO AVOID:** Keep away from heat, sparks, open flame, static electricity, and all ignition sources.

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**INCOMPATIBLE MATERIALS:** Oxidizers

### SECTION 11 – TOXICOLOGICAL INFORMATION

**MEDICAL CONDITION AGGRAVATED:** Pre-existing medical conditions in the following systems or organs may be aggravated by exposure to this product: Skin (dermatitis), eyes, liver, kidneys, nervous system, respiratory system (asthma, lungs). Repeated or prolonged exposure could produce target organ damage.

**INHALATION:** High concentrations may lead to Central Nervous System effects, including drowsiness, dizziness, nausea, headaches, paralysis, and possible unconsciousness. High vapor concentrations are irritating to the respiratory system and the eyes. Prolonged or repeated exposure may cause liver or kidney damage.

**INGESTION:** Product may be harmful or fatal if swallowed, as well as produce potential lung damage. It may produce Central Nervous System effects including dizziness, loss of balance and coordination, coma, or even death. It also is an irritant to the mouth, throat, and stomach.

**EYES:** The product will potentially cause moderate to significant eye irritation.

**SKIN:** Contact with the solution may cause mild to moderate skin irritation. Repeated contact may result in defatting and drying/cracking of the skin, which could result in significant skin irritation and dermatitis (rash). Skin absorption may produce systemic toxicity.

### SECTION 12 – ECOLOGICAL INFORMATION

**PERSISTENCE AND DEGRADABILITY:** No data available

**BIO ACCUMULATIVE POTENTIAL:** No data available

**MOBILITY IN SOIL:** No data available

**OTHER ADVERSE EFFECTS:** No data available

### SECTION 13 – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state and local regulations.

### SECTION 14 – TRANSPORT INFORMATION

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**UN NUMBER:** NOT REGULATED  
**UN PROPER SHIPPING NAME:** NOT REGULATED  
**TRANSPORT HAZARD CLASS:** NOT REGULATED  
**PACKING GROUP:** NOT REGULATED  
**CONSTITUENTS:** NOT REGULATED

**SECTION 15 – REGULATORY INFORMATION**

**TSCA STATUS:** All known components of this product are listed or are exempt from listing.

**SARA SECTION 311/312:** **ACUTE:** Yes  
**CHRONIC:** Yes  
**FIRE:** No  
**REACTIVE:** No  
**PRESSURE RELEASE:** No

**HMIS HEALTH:** 1  
**HMIS FLAMMABILITY:** 0  
**HMIS REACTIVITY:** 0  
**HMIS PERSONAL PROTECTION:** X

**SECTION 16 – OTHER INFORMATION**

**PRODUCT REVISION DATE:** 10/21/2022  
**SDS REVISION DATE:** September 11, 2023  
**SDS REVISION NUMBER:** 1