

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> EF <sup>®</sup> Accelerator	<b>Product Type:</b> Cyanoacrylate Accelerator
<b>Company :</b> Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	<b>Contact Information:</b> Telephone: 407-322-4000 Emergency Telephone: 800-255-3924 Web Site: www.hernonmfg.com

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Ethyl Acetate	80-100	400 ppm TWA	400 ppm	None
Ethyl Alcohol	10-20	1000 ppm TWA	1000 ppm TWA	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Colorless  
 Odor: Alcohol

**HMIS:**  
 HEALTH: 1  
 FLAMMABILITY: 3  
 PHYSICAL HAZARD: 0  
 Personal Protection: See Section 8

**WARNING:** FLAMMABLE LIQUID AND VAPOR  
 MAY CAUSE EYE, AND SKIN IRRITATION.  
 MAY CAUSE ALLERGIC SKIN REACTION.  
 MAY CAUSE RESPIRATORY TRACT IRRITATION.  
 MAY BE HARMFUL IF SWALLOWED.

**Primary Routes of Entry:** Skin, Inhalation, Eyes

**Signs and Symptoms of Exposure:**

<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Skin contact:</b>	May cause allergic skin reaction. May cause skin irritation.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	May be harmful if swallowed.

**Existing Conditions Aggravated by Exposure:** Eye, skin, and respiratory disorders.

4. FIRST AID MEASURES	
<b>Ingestion:</b>	Induce vomiting. Keep individual calm. Obtain medical attention.
<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye Contact:</b>	Flush with copious amounts of water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
5. FIRE FIGHTING MEASURES	
<b>Flash Point (TCC):</b>	Approximately 30°F
<b>Recommended Extinguishing Agents:</b>	Carbon dioxide, foam, dry chemical, water spray
<b>Special Firefighting Procedures:</b>	None
<b>Hazardous Combustion Products:</b>	Carbon dioxide, carbon monoxide.
<b>Unusual Fire or Explosion Hazards:</b>	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back.
<b>Flammable/Explosive Limits – lower %:</b>	Not available
<b>Flammable/Explosive Limits – upper %:</b>	Not available
6. ACCIDENTAL RELEASE MEASURES	
<b>Personal Precautions:</b>	Wear proper protective equipment
<b>Measures for Environmental Protection:</b>	Do not allow entry into drains or surface waters
<b>Clean-up Measures:</b>	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.
7. HANDLING AND STORAGE	
<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.
<b>Storage:</b>	Keep away from heat, sparks, and flame. Store between 46° and 82°F in tightly closed container.
8. EXPOSURE CONTROLS, PERSONAL PROTECTION	
<b>Eye/Face Protection:</b>	Safety glasses or goggles with side shields
<b>Skin Protection:</b>	Use rubber or plastic gloves, and protective clothing as necessary
<b>Respiratory Protection:</b>	Use NIOSH approved respirator if there is a potential to exceed exposure limits
<b>Engineering Controls:</b>	Forced ventilation may be required if concentrations exceed exposure limits

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Alcohol
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Heavier than air
<b>Solubility in Water:</b>	Moderate
<b>Specific Gravity:</b>	0.89
<b>Boiling Point:</b>	172°F
<b>Volatile Organic Compound Content</b>	100%
<b>Evaporation Rate (Ether = 1)</b>	Not available
<b>pH:</b>	Does not apply

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Not available
<b>Incompatibility:</b>	Strong oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

<b>Ingredients:</b>	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
Ethyl Acetate	No data	NO	NO	NO
Ethyl Alcohol	No data	NO	NO	NO

**12. ECOLOGICAL INFORMATION**

<b>Water Hazard:</b>	Do not allow entry into drains or surface waters
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**13. DISPOSAL CONSIDERATIONS**

<b>Recommended methods of disposal:</b>	Dispose of according to Federal, State and Local regulations.
<b>EPA Hazardous Waste Number:</b>	D001: Ignitable

**14. TRANSPORTATION INFORMATION**

**U.S. Dept. of Transportation Ground (49 CFR):**

**Proper Shipping Name** Ethyl Acetate Solution  
**Hazard Class or Division:** 3  
**Identification Number** UN 1173  
**Packing group:** II

**International Air Transportation (ICAO/IATA):**

**Proper Shipping Name:** Ethyl Acetate Solution  
**Hazard Class or Division:** 3  
**Identification Number** UN 1173  
**Packing group:** II

**Water Transportation (IMO/IMDG):**

**Proper Shipping Name:** Ethyl Acetate Solution  
**Hazard Class or Division:** 3  
**Identification Number** UN 1173  
**Packing group:** II  
**Marine pollutant:** No

**15. REGULATORY INFORMATION**

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): None

**16. OTHER INFORMATION**

**Prepared By:** Jerry Litteral  
**Title:** Director - Quality & Development

**DISCLAIMER:** Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.