

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> EF <sup>®</sup> Accelerator 52	<b>Product Type:</b> 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>
Acetone	60-100	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 ppm/m <sup>3</sup> TWA	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Clear to Amber  
 Odor: Mild

**HMIS:**  
 HEALTH: 2  
 FLAMMABILITY: 4  
 PHYSICAL HAZARD: 0  
 Personal Protection: See Section 8

**WARNING:** EXTREMELY FLAMMABLE.  
 VAPOR MAY CAUSE FLASH FIRE  
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
 ASPIRATION HAZARD IF SWALLOWED.

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

**Signs and Symptoms of Exposure:**

<b>Inhalation:</b>	May cause respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.
<b>Skin contact:</b>	May cause irritation due to defatting of the skin. Redness. Burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.
<b>Eye contact:</b>	Non-irritating. Exposure to vapor may cause tearing of the eyes, irritation and burning sensation.
<b>Ingestion:</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

**Existing Conditions Aggravated by Exposure:** Liver disorders. Kidney disorders. Lung disorders.

4. FIRST AID MEASURES	
<b>Ingestion:</b>	Get medical attention immediately. Do not induce vomiting.
<b>Inhalation:</b>	Remove to fresh air. Get medical attention immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes. Wash with soap and water. Wash clothing before reuse.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
5. FIRE FIGHTING MEASURES	
<b>Flash Point (TCC):</b>	-17°C
<b>Recommended Extinguishing Agents:</b>	Carbon dioxide, foam, dry chemical
<b>Special Firefighting Procedures:</b>	Use water spray to keep fire exposed containers cool and disperse vapors.
<b>Hazardous Combustion Products:</b>	Oxides of carbon. Oxides of nitrogen.
<b>Unusual Fire or Explosion Hazards:</b>	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
<b>Flammable/Explosive Limits – lower %:</b>	2.8
<b>Flammable/Explosive Limits – upper %:</b>	12.8
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>	Remove all sources of ignition. Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed metal container until ready for 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 in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
8. EXPOSURE CONTROLS, PERSONAL PROTECTION	
<b>Eye/Face Protection:</b>	Safety glasses or goggles with side shields
<b>Skin Protection:</b>	Chemical resistant, impermeable gloves.
<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>	Clear to Amber
<b>Odor:</b>	Acetone
<b>Vapor Pressure:</b>	Approximately 185 mmHg @20°C
<b>Vapor Density:</b>	Approximately 2
<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	0.79
<b>Boiling Point:</b>	57°C
<b>Volatile Organic Compound Content</b>	Not available
<b>Evaporation Rate (Ether = 1)</b>	1.9
<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>	None
<b>Incompatibility:</b>	Strong oxidizers.

**11. TOXICOLOGICAL INFORMATION**

<b>Ingredients:</b>	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
<b>Acetone</b>	BLO CNS IRR REP	NO	NO	NO

**Abbreviations:**

**BLO** Blood    **IRR** Irritant    **REP** Reproductive    **CNS** Central Nervous System

**12. ECOLOGICAL INFORMATION**

**Water Hazard:** Do not allow entry into drains or surface waters

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORTATION INFORMATION**

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

**Proper Shipping Name** Acetone  
**Hazard Class or Division:** 3  
**Identification Number** UN 1090  
**Packing group:** II  
**Exceptions:** Consumer Commodity ORM-D (Not more than 1 Liter)  
**DOT reportable quantity (lbs):** Acetone is reportable at 5000 pounds (2270 kg).

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

**Proper Shipping Name:** Acetone  
**Hazard Class or Division:** 3  
**Identification Number** UN 1090  
**Packing group:** II  
**Exceptions:** May Qualify as Consumer Commodity ID8000 (Not more than 500ml)

**WaterTransportation (IMO/IMDG):**

**Proper Shipping Name:** Acetone  
**Hazard Class or Division:** 3  
**Identification Number** UN 1090  
**Packing group:** II  
**Exceptions:** Limited quantity (Not more than 1 L)  
**Marine pollutant:** None

**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.