

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name:</b> EF <sup>®</sup> Primer 46	<b>Product Type:</b> Primer
<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>
Hydroxyalkyl Methacrylate	60-100	None	None	1ppmTWA 3ppm STEL
2-Ethylhexanoic acid	1-3	5 mg/m <sup>3</sup> TWA inhalable fraction and vapor	Cu 0.1 mg/m <sup>3</sup> Cu 1 mg/m <sup>3</sup> dust	None
Tributylamine	1-3	None	None	None

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid  
 Color: Blue-green  
 Odor: Slightly acrylic

**HMIS:**  
 HEALTH: 2  
 FLAMMABILITY: 1  
 PHYSICAL HAZARD: 1  
 Personal Protection: See Section 8

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

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

**Signs and Symptoms of Exposure:**

**Inhalation:** May cause irritation to nose and throat.  
**Skin Contact:** Irritating to skin. May cause allergic skin reaction.  
**Eye Contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

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

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Remove to fresh air. If symptoms develop and persist, get medical attention.  
**Skin Contact:** Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.  
**Eye Contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.

**5. FIRE FIGHTING MEASURES**

**Flash Point (TCC):** > 93°C (200°F)  
**Recommended Extinguishing Agents:** Carbon dioxide, foam, dry chemical  
**Special Firefighting Procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.  
**Hazardous Combustion Products:** Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.  
**Unusual Fire or Explosion Hazards:** None  
**Flammable/Explosive Limits – lower %:** Not available  
**Flammable/Explosive Limits – upper %:** Not available

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear proper protective equipment  
**Measures for Environmental Protection:** Do not allow entry into drains or surface waters  
**Clean-up Measures:** Maintain adequate ventilation. Soak up in inert absorbent and store in a closed container until disposal.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.  
**Storage:** Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 100°F.

**8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Eye/Face Protection:** Safety glasses or goggles with side shields  
**Skin Protection:** Use rubber or plastic gloves, and protective clothing as necessary  
**Respiratory Protection:** Use NIOSH approved respirator if there is a potential to exceed exposure limits  
**Engineering Controls:** Forced ventilation may be required if concentrations exceed exposure limits

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Blue-green
<b>Odor:</b>	Slightly acrylic
<b>Vapor Pressure:</b>	Less than 0.05 mm Hg at 68°F
<b>Vapor Density:</b>	Approximately 1
<b>Solubility in Water:</b>	Slight
<b>Specific Gravity:</b>	1.02
<b>Boiling Point:</b>	Not available
<b>Volatile Organic Compound Content</b>	97.14%
<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>	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
<b>Incompatibility:</b>	Strong oxidizers. Reducing agents. Amines. Peroxides. Free radical initiators.

**11. TOXICOLOGICAL INFORMATION**

<b>Ingredients:</b>	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
<b>Hydroxyalkyl Methacrylate</b>	ALG IRR	NO	NO	NO
<b>2-Ethylhexanoic acid</b>	DEV EYE IRR LIV REP	NO	NO	NO
<b>Tributylamine</b>	ALG CNS COR IRR	NO	NO	NO

**Abbreviations:**

<b>ALG</b> Allergen	<b>IRR</b> Irritant	<b>REP</b> Reproductive	<b>CNS</b> Central Nervous System
<b>EYE</b> Eyes	<b>LIV</b> Liver	<b>COR</b> Corrosive	<b>DEV</b> Developmental

**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>	Not an RCRA hazardous waste.

**14. TRANSPORTATION INFORMATION**

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

**Proper Shipping Name** Unrestricted  
**Hazard Class or Division:** None  
**Identification Number** None  
**Packing group:** None

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

**Proper Shipping Name:** Unrestricted  
**Hazard Class or Division:** None  
**Identification Number** None  
**Packing group:** None

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

**Proper Shipping Name:** Unrestricted  
**Hazard Class or Division:** None  
**Identification Number** None  
**Packing group:** None  
**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  
**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer.

**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.