

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF [®] Primer 50C	Product Type: Accelerator
Company : Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	Contact Information: Telephone: 407-322-4000 Emergency Telephone: 800-255-3924 Web Site: www.hernon.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
 Color: Green
 Odor: Mild

HMIS:
 HEALTH: 3*
 FLAMMABILITY: 2
 PHYSICAL HAZARD: 1
 Personal Protection: See Section 8

WARNING: CAUSES EYE, AND SKIN IRRITATION.
 READILY ABSORBED THROUGH THE SKIN
 MAY CAUSE RESPIRATORY TRACT IRRITATION.
 HARMFUL IF SWALLOWED.

Primary Routes of Entry: Skin, Inhalation, Eyes

Signs and Symptoms of Exposure:

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause allergic skin reaction. May cause skin irritation.

Eye contact: Contact with eyes will cause irritation.

Ingestion: Harmful if swallowed.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Tributylamine	60-90	None	None	None
2-ethylhexanoic acid	20-30	10mg/m ³ TWA	None	None
Copper carbonate	5-10	1 mg/m ³	1 mg/m ³	None

4. FIRST AID MEASURES	
Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.
Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Skin Contact:	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Contact:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	146°F
Recommended Extinguishing Agents:	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Special Firefighting Procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Combustible liquid. Emits toxic fumes under fire conditions.
Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide, Nitrogen oxides.
Flammable/Explosive Limits – lower %:	1.4; Tributylamine
Flammable/Explosive Limits – upper %:	6.0; Tributylamine
6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Measures for Environmental Protection:	Do not allow entry into drains or surface waters
Clean-up Measures:	Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.
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 below 100°F. Keep away from heat and flame.
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

Physical State:	Liquid
Color:	Green
Odor:	Mild
Vapor Pressure:	0.3mm at 20°C
Vapor Density:	Approximately 6
Solubility in Water:	Low
Specific Gravity:	0.84
Boiling Point:	Approximately 216°C
Volatile Organic Compound Content	Not available
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide, Nitrogen oxides.
Incompatibility:	Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
Tributylamine	CNS	NO	NO	NO
2-ethylhexanoic acid	EYE RES	NO	NO	NO
Copper carbonate	KID LIV	NO	NO	NO

12. ECOLOGICAL INFORMATION

Ecological Information:	Not available
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13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Dispose of according to Federal, State and Local regulations.
EPA Hazardous Waste Number:	Not an RCRA hazardous waste

14. TRANSPORTATION INFORMATION

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

Proper Shipping Name Tributylamine mixture
Hazard Class or Division: Class 6.1
Identification Number UN2542
Packing group: II

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Tributylamine mixture
Hazard Class or Division: Class 6.1
Identification Number UN2542
Packing group: II

WaterTransportation (IMO/IMDG):

Proper Shipping Name: Tributylamine mixture
Hazard Class or Division: Class 6.1
Identification Number UN2542
Packing group: II
Marine pollutant: Yes

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): Contains copper.

16. OTHER INFORMATION

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

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