

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF® Primer 46	Product Type: Primer
Company : Hernon Manufacturing, Inc. 121 Tech Drive Sanford, FL 32771	Contact Information: 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/m³ TWA inhalable fraction and vapor	Cu 0.1 mg/m³ Cu 1 mg/m³ 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

Physical State:	Liquid
Color:	Blue-green
Odor:	Slightly acrylic
Vapor Pressure:	Less than 0.05 mm Hg at 68°F
Vapor Density:	Approximately 1
Solubility in Water:	Slight
Specific Gravity:	1.02
Boiling Point:	Not available
Volatile Organic Compound Content	97.14%
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.
Incompatibility:	Strong oxidizers. Reducing agents. Amines. Peroxides. Free radical initiators.

11. TOXICOLOGICAL INFORMATION

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

Abbreviations:

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

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:	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.