

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF [®] Primer 49C	Product Type: Concentrate for EF [®] Primer 49
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: Light yellow
 Odor: Sweet

HMIS:
 HEALTH: 2*
 FLAMMABILITY: 1
 PHYSICAL HAZARD: 0
 Personal Protection: See Section 8

CAUTION: 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

Signs and Symptoms of Exposure:

Inhalation: May cause respiratory tract irritation.

Skin contact: Rapidly absorbed through the skin. Irritating to the skin.

Eye contact: Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
N, N-Dialkyltoluidine	40-60	None established	None established	None established
2-Mercaptobenzothiazole	30-50	None established	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable dust	5 mg/m ³ TWA

4. FIRST AID MEASURES	
Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	This material may cause high methemoglobin levels in the blood. Symptoms include, headaches, dizziness, bluish lips and fingernails. Remove immediately to fresh air. Consult a physician
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. Get medical attention.
Note to Physician:	The presence of this material in the body leads to methemoglobin formation, which, in sufficient levels, causes cyanosis. This is reversed spontaneously after termination of exposure. Treat cyanosis with supportive measures such as bed rest and oxygen inhalation. Thoroughly cleanse the entire contaminated area of the body. If extensive cyanosis is present treat with methylene blue and vitamin B-12.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	181°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical, water
Special Firefighting Procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous Combustion Products:	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:	Small spills may be absorbed with diatomaceous earth. Vacuum up puddles or absorb with diatomaceous earth, or oil absorbing material and pick up for 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 between 46° and 82°F unless otherwise labeled to preserve shelf life.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye/Face Protection: Goggles & full face shield.

Skin Protection: Use rubber gloves, and protective clothing as necessary

Respiratory Protection: If respiratory protection is needed, use an appropriate full face NIOSH approved respirator for organic vapors or mists.

Engineering Controls: Mechanical and local. Good general ventilation (typically 10 air changes per hour) should be sufficient to control airborne levels. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Light yellow. Darkens on exposure to light and moisture.

Odor: Sweet

Vapor Pressure: 5 mm at 162°F

Vapor Density: Not available

Solubility in Water: Insoluble

Specific Gravity: 1.12

Boiling Point: 419°F

Volatile Organic Compound Content Not available

Evaporation Rate (Ether = 1) ~0.5

pH: Does not apply

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen.

Incompatibility: Strong oxidizers, acids, bleach

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects				Carcinogen Status		
	BLO	CNS	LIV	SKI	NTP	IARC	OSHA
N, N-Dialkyltoluidine	BLO	CNS	LIV	SKI	NO	NO	NO
2-Mercaptobenzothiazole	ALG	KID	SOM		NO	NO	NO

Abbreviations:

ALG Allergen **BLO** Blood **KID** Kidney **LIV** Liver

SKI Skin **CNS** Central Nervous System **SOM** Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION	
Ecological information:	Not available
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	Toxic Liquid, organic nos
Hazard Class or Division:	6.1
Identification Number	UN2810
Packing group:	III
International Air Transportation (ICAO/IATA):	
Proper Shipping Name:	Toxic Liquid, organic nos
Hazard Class or Division:	6.1
Identification Number	UN2810
Packing group:	III
Water Transportation (IMO/IMDG):	
IMDG Code:	pg 6270-1
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
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