

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF® Primer 49 Aerosol	Product Type: Aerosol 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.hernon.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Aerosol
Color: Yellow-Amber
Odor: Acetone

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

DANGER: FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, AND SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Primary Routes of Entry: Inhalation, Skin contact, Eyes, Ingestion

Signs and Symptoms of Exposure:

Inhalation: May cause respiratory tract irritation. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Skin Contact: Irritating to skin. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

Eye Contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Ingestion: Moderately toxic by ingestion.

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>
Acetone	65-70	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Isobutane	20-25	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	None	None
Isopropyl Alcohol	5-10	200 ppm TWA 400 ppm STEL	400 ppm TWA 500 ppm STEL	None
2-Mercaptobenzothiazole	0.1-1	None	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable dust	5 mg/m ³ TWA

4. FIRST AID MEASURES

Ingestion: If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash with soap and water

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): Approximately 17°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: Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

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: Avoid flame and sparks. 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. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.

Storage: Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 120°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: Aerosol
Color: Yellow-Amber
Odor: Acetone
Vapor Pressure: Approximately 172 mmHg at 68°F (Base only)
Vapor Density: Not available
Solubility in Water: Miscible
Specific Gravity: 0.797 at 75°F (Base only)
Boiling Point: Not available
Volatile Organic Compound Content 8.3%
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, peroxides

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects								Carcinogen Status		
	BLO	CNS	IRR	REP	KID	LIV	BRA	SPL	NTP	IARC	OSHA
Acetone	BLO	CNS	IRR	REP					NO	NO	NO
Isobutane	CAR	CNS	LUN						NO	NO	NO
Isopropyl Alcohol	ALG	BLO	CNS	IRR	KID	LIV	BRA	SPL	NO	NO	NO
2-Mercaptobenzothiazole	ALG	KID	SOM						NO	NO	NO

Abbreviations:

BLO Blood **IRR** Irritant **REP** Reproductive **CNS** Central Nervous System
KID Kidney **LIV** Liver **BRA** Brain **SOM** Some Evidence of Carcinogenicity
ALG Allergen **SPL** Spleen **CAR** Cardiac **LUN** Lung

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: D001: Ignitable

14. TRANSPORTATION INFORMATION

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

Proper Shipping Name: Aerosols, flammable
Hazard Class or Division: 2.1
Identification Number: UN 1950
Packing group: None
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: Aerosols, flammable
Hazard Class or Division: 2.1
Identification Number: UN 1950
Packing group: None
Exceptions: May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

Water Transportation (IMO/IMDG):

Proper Shipping Name: Aerosols, flammable
Hazard Class or Division: 2
Identification Number: UN 1950
Packing group: None
Marine pollutant: None
Exceptions: Limited quantity (Not more than 1 L)

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: No California Proposition 65 listed chemicals are known to be present.

16. OTHER INFORMATION

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

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