

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF® Accelerator 58	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>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
n-Heptane	95-100	400 ppm TWA 500 ppm STEL	2000 mg/m ³ TWA 500 ppm TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Clear, colorless
Odor: Aliphatic

HMIS:
HEALTH: 2
FLAMMABILITY: 3
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: EXTREMELY FLAMMABLE.
VAPOR MAY CAUSE FLASH FIRE
HARMFUL OR FATAL IF SWALLOWED.
HARMFUL IF INHALED.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT

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

Signs and Symptoms of Exposure:

Inhalation: Central nervous system effects. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Residue remaining after evaporation of the solvent is destructive to mucous membranes.

Skin contact: May cause irritation due to defatting of the skin. Redness. Residue remaining after evaporation of the solvent is destructive to skin.

Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation. Residue remaining after evaporation of the solvent is destructive to eyes.

Ingestion: Ingestion may cause irritation to mucous membranes. Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

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

4. FIRST AID MEASURES	
Ingestion:	Do not induce vomiting. Obtain medical attention.
Inhalation:	Remove to fresh air. If symptoms develop and persist, get medical attention.
Skin Contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Notes to physician:	Aspiration may cause pulmonary edema or aspiration pneumonia.
5. FIRE FIGHTING MEASURES	
Flash Point (TCC):	30°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Hazardous Combustion Products:	Oxides of carbon. Oxides of nitrogen.
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 %:	1.1
Flammable/Explosive Limits – upper %:	6.7
6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Remove sources of ignition. 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 chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.
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:	Clear, colorless
Odor:	Aliphatic
Vapor Pressure:	35 mmHg at 68°F
Vapor Density:	3.45
Solubility in Water:	Immiscible
Specific Gravity:	0.7 at 75°F
Boiling Point:	205-210°F
Volatile Organic Compound Content	99.9%; 700 g/l
Evaporation Rate (Ether = 1)	2.7
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	No data available
Incompatibility:	Acids, oxidizing agents

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
n-Heptane	CNS IRR	NO	NO	NO

Abbreviations:

IRR Irritant CNS Central Nervous System

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: D001: Ignitable

14. TRANSPORTATION INFORMATION

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

Proper Shipping Name: Heptane solutions
Hazard Class or Division: 3
Identification Number: UN 1206
Packing group: II
Exceptions: Consumer Commodity ORM-D (Not more than 1 Liter)

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Heptane solutions
Hazard Class or Division: 3
Identification Number: UN 1206
Packing group: II
Exceptions: May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

Water Transportation (IMO/IMDG):

Proper Shipping Name: Heptane solutions
Hazard Class or Division: 3
Identification Number: UN 1206
Packing group: II
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
TSCA 12 (b) Export Notification: n-Heptane
CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
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.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.
WHMIS hazard class: B.2, D.2.B

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.