

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF® Adhesion Promoter 42	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.hernon.com

2. 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
n-Heptane	70-100	400 ppm TWA 500 ppm STEL	2000 mg/m ³ TWA 500 ppm TWA	None

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

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: 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: Not fully investigated.
WHMIS hazard class: B.2, D.2.B

16. OTHER INFORMATION

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Title:

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