

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EF [®] Activator 59C	Product Type: Concentrate for EF [®] Activator 59
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: Green blue
 Odor: Sweetish (strong)

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

WARNING: MAY CAUSE EYE AND SKIN IRRITATION.
 MAY BE HARMFUL IF INGESTED.

Primary Routes of Entry: Eyes, skin, ingestion

Signs and Symptoms of Exposure:

Inhalation: No inhalation studies are available, may cause irritation to the nasal and respiratory tract based on component data.

Skin contact: Moderate skin irritant

Eye contact: Mild transient eye irritant

Ingestion: May be an ingestion hazard

Existing Conditions Aggravated by Exposure: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Aldehyde-amine condensate	80-100	None	None	None

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Give one or two glasses of water. 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. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TOC):	> 300°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical, water spray.
Special Firefighting Procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous Combustion Products:	Toxic vapors may be released upon thermal decomposition (cyanide, nitrogen oxides)
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:	Soak up with an inert absorbent. Store in partly filled, 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 between 46° and 82°F unless otherwise labeled to preserve shelf life.

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:	Yellow to amber
Odor:	Sweetish (strong)
Vapor Pressure:	Not available
Vapor Density:	Not available
Solubility in Water:	Insoluble
Specific Gravity:	0.965
Boiling Point:	Not available
Volatile Organic Compound Content	Not available
Evaporation Rate (Ether = 1)	Not available
pH:	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Toxic vapors may be released upon thermal decomposition (cyanide, nitrogen oxides)
Incompatibility: Oxidizing agents, acids.

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
Aldehyde-amine condensate	No data	NO	NO	NO

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: 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 substance(s) known to the state of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

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

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