DFM 3332 DFM 5065 FEB 08 1992 72-767 (7186-3)

CYANAMID

MATERIAL SAFETY DATA SHEET

NUMBER 489

(Approved by U.S. Department of Labor as "essentially similar" to Form LSB-OOS-4)

SECTION I IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME: AMERICAN CYANAMID COMPANY	EMERGENCY TELEPHONE NO.: (201) 835-3100
ADDRESS: Old Post Road, Havre de Grace, Maryland 21078	
TRADE NAME AND SYNONYMS: HT-424-F Primer	
CHEMICAL NAME AND SYNONYMS: Solution of epoxy and phenolic resins with aluminum powder in mixture of organic solvents	
CHEMICAL FAMILY: Not applicable	MOLECULAR FORMULA: Not applicable

SECTION II HAZARDOUS COMPONENTS OF MIXTURES

COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)	COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
Ethylene dichloride	21	50 parts per million			
Dioxane	14	50 parts per million (skin)			
sec-Butyl alcohol	11	150 parts per million			
Ethyl alcohol	11	1000 parts per million			
Toluene	11	100 parts per million			
Methyl ethyl ketone	4	200 parts per million			

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR: Dark-colored liquid with aluminum powder usually in bottom of container; odor of chloroform

BOILING POINT (DEGREES FAHRENHEIT): Not available	SPECIFIC GRAVITY (WATER = 1): About 1.1
VAPOR PRESSURE (MM OF MERCURY): Not available	PERCENT VOLATILE (BY VOLUME): About 70 (by weight)
VAPOR DENSITY (AIR = 1): Not available	EVAPORATION RATE (BUTYL ACETATE = 1): Not available
SOLUBILITY IN WATER: Moderate	EVAPORATION RATE (ETHYL ETHER = 1): Not available

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SPECIFY METHOD) (DEGREES FAHRENHEIT): 33 Tag Closed Cup	FLAMMABLE LIMITS (PERCENT BY VOLUME): LOWER / UPPER: Not available

FIRE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or foam; water spray may be ineffective

SPECIAL FIRE-FIGHTING PROCEDURES: Use water to keep fire-exposed containers cool

UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning produces hydrochloric acid gas. Wear self-contained breathing apparatus

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READ THE BACK

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not applicable

EFFECTS OF OVEREXPOSURE: Prolonged or repeated inhalation of vapor may cause dizziness or drowsiness. Prolonged or repeated contact of liquid with skin may cause dryness and irritation

EMERGENCY AND FIRST AID PROCEDURES: If symptoms occur from inhalation of vapor, proceed to fresh air. Flush skin and eye contact promptly with plenty of water.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID: None
	STABLE	X	

INCOMPATIBILITY (Materials to avoid): No specific incompatibility

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide and/or hydrogen chloride.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID: None
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove sources of ignition and wear respiratory protection. Cover with some inert absorbent material, sweep up and place in a waste disposal container. Flush area with water.

WASTE DISPOSAL METHOD: Incinerate or bury in a landfill

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): If concentration exceeds TLV, wear a respirator approved by the U. S. Bureau of Mines for organic vapors

VENTILATION	LOCAL EXHAUST	Preferable	SPECIAL	None
	MECHANICAL (General)	Acceptable	OTHER	None

PROTECTIVE GLOVES: Rubber of plastic	EYE PROTECTION: Splashproof goggles

OTHER PROTECTIVE EQUIPMENT: None

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Precautions for a Class IB flammable liquid

OTHER PRECAUTIONS: None

SECTION X DATE AND SOURCE OF INFORMATION

DATE	NAME AND TITLE	SHEET NUMBER
June 27, 1972	C. Boyd Shaffer, Ph.D., Director of Toxicology	489

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