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DPM 3332
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CYANAMID

MATERIAL SAFETY DATA SHEET

NUMBER 469

(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	439

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