U.S. DEPARTMENT OF LABOR JAN 15 1982 Form Approved OMB No. 44-R1387

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

DPM 560

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: E. I. du Pont de Nemours & Co., Inc.	EMERGENCY TELEPHONE NO.: (302) 774-7500
ADDRESS (Number, Street, City, State, and ZIP Code): DuPont, E&F Wilmington, Delaware 19898	
CHEMICAL NAME AND SYNONYMS: Primer Surfacer	TRADE NAME AND SYNONYMS: 233-1911 50 > P.S.
CHEMICAL FAMILY: N.A.	FORMULA: N.A.

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
Approx.		PPM	BASE METAL		
Aliphatic Ester	5	150	ALLOYS		
Aliphatic Ketone	8	1000	METALLIC COATINGS		
Aliphatic Alcohol	9	200	FILLER METAL PLUS COATING OR CORE FLUX		
Toluene	20	100	OTHERS		
Aliphatic Pet. Dist.*	3	500	Approximate		Mg/M³

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Cadmium as metal from pigment on total wt. of solids	.02	0.1

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Approx. Range	131-283	SPECIFIC GRAVITY (H_2O=1)	1.208
VAPOR PRESSURE (mm Hg) Principal Solvent	36.7	PERCENT, VOLATILE BY VOLUME (%)	66.4
VAPOR DENSITY (AIR=1) Principal Solvent	3.14	EVAPORATION RATE (Ether =1) Slower than	Ether
SOLUBILITY IN WATER	Appreciable		

APPEARANCE AND ODOR: Semi-viscous pigmented liquid; strong solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): Between 20° & 80°F. (T.O.C.)	FLAMMABLE LIMITS: Approximate	Lel: 1.27	Uel: 36.5

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Water from fog nozzles may be used to cool closed containers to prevent pressure build-up when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N.A.

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See Section II * By analogy to heptane & octane

EFFECTS OF OVEREXPOSURE
Headache, nausea, impairment of reaction time and coordination

EMERGENCY AND FIRST AID PROCEDURES
Inhalation - Move to fresh air to restore breathing.
Skin contact - Wash with soap and water. Remove contaminated clothing.
Eye contact - Flush with water for at least 15 minutes; call a physician

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	N. A.

INCOMPATABILITY *(Materials to avoid)*
None reasonably foreseeable

HAZARDOUS DECOMPOSITION PRODUCTS
CO, CO_2, Smoke and oxides of cadmium

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	N. A.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Avoid prolonged contact with skin and breathing of vapor.
Remove sources of ignition. Remove with inert absorbent and non-sparking tools.
Ventilate area.

WASTE DISPOSAL METHOD
Disposal method must comply with Local, State, and Federal Regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Adequate ventilation; in confined areas use Bureau of Mines approved masks.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Provide sufficient ventilation to keep	Remove sources of ignition
	MECHANICAL *(General)*	OTHER
	below given TLV & LEL	N.A.

PROTECTIVE GLOVES	EYE PROTECTION
Use for prolonged or repeated contact	Use safety eyewear to prevent splashes

OTHER PROTECTIVE EQUIPMENT
Use appropriate industrial hygiene practices

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Close container after each use.
Do not store above 120°F.

OTHER PRECAUTIONS
Wash thoroughly after handling and before eating or smoking.
Observe Label Precautions. Containers should be grounded when pouring.

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