DPM 5263

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

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, F&F Wilmington, Delaware 19898	
CHEMICAL NAME AND SYNONYMS: Teflon S® Black	TRADE NAME AND SYNONYMS: 954-103 (11/4/74)
CHEMICAL FAMILY: N.A.	FORMULA: N.A.

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
~~XXXXXXXX~~ Approx.		PPM	BASE METAL		
~~XXXXXXXX~~ Aliphatic Alcohol	5	100	ALLOYS		
~~XXXXXXX~~ Carbonyl Alcohol	6	50	METALLIC COATINGS		
~~XXXXXXXX~~ Aliphatic Ketone	24	100	FILLER METAL PLUS COATING OR CORE FLUX		
~~XXXXXXXX~~ Ether Alcohol	11	unk.	OTHERS		
~~XXXXXXX~~ Aromatic Pet. Dist. **	4	100			

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Approx. Range	230-447	SPECIFIC GRAVITY (H_2O=1)	1.095
VAPOR PRESSURE (mm Hg.) Principal Solvent	16	PERCENT, VOLATILE BY VOLUME (%)	67.1
VAPOR DENSITY (AIR=1) Principal Solvent	3.45	EVAPORATION RATE (_____=1)	
SOLUBILITY IN WATER	Appreciable		

APPEARANCE AND ODOR Semi-viscous black liquid; strong solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Between 80° + 150° F (T.O.C.)	FLAMMABLE LIMITS	Lel 6.9	Uel 18.0

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: N.A.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N.A.

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE
Thermal decomposition products may cause polymer fume fever. Symptoms are chills, fever, and flu-like symptoms.

EMERGENCY AND FIRST AID PROCEDURES
Inhalation - Move to fresh air. Refer to physician for treatment of irritation
Skin contact - Wash with soap and water.
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)*
Explosive reaction may occur above 796°F with finely divided aluminum or magnesium.

HAZARDOUS DECOMPOSITION PRODUCTS
CO, CO_2, HF, CF_4, COF_2, traces of perfluoroisobutylene.

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.

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

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Adequate ventilation and in confined areas, use Bureau of Mines approved mask.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Provide sufficient ventilation to keep below given TLV & LEL, if applicable.	Remove sources of ignition if solvents are present.

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. Wear synthetic gloves.

OTHER PRECAUTIONS
Wash thoroughly after handling and before eating or smoking.
Observe Label Precautions.

NOTICE FROM DU PONT

"The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process."