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U.S. DEPARTMENT OF LABOR

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1-S.D. file
1-R. McCUTCHAN

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
MONSANTO COMPANY	(314) 694-1000

ADDRESS (Number, Street, City, State, and ZIP Code)
800 North Lindbergh Boulevard, St. Louis, Missouri 63166

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Diphenyl	Biphenyl

CHEMICAL FAMILY	FORMULA
Aromatic Hydrocarbon	$C_{12}H_{10}$

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

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

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	760 mm	255°C	SPECIFIC GRAVITY (H_2O=1)	75/4°C	0.991
VAPOR PRESSURE (mm Hg.)			PERCENT VOLATILE BY VOLUME (%)		100%
VAPOR DENSITY (AIR=1)		5.31	EVAPORATION RATE (BuAc =1)		<1
SOLUBILITY IN WATER		negligible			

APPEARANCE AND ODOR: Colorless leaflets, pleasant aromatic odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
Closed cup 235°F.			

EXTINGUISHING MEDIA: CO_2, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Min. explosive conc./ oz/cu.ft. 0.035

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Biphenyl

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	0.2 ppm 1 mg./M^3
EFFECTS OF OVEREXPOSURE	CNS depression, paralysis, convulsions.
EMERGENCY AND FIRST AID PROCEDURES	Move to fresh air, administer oxygen. Pump stomach if ingested.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATABILITY *(Materials to avoid)*	None		
HAZARDOUS DECOMPOSITION PRODUCTS	Smoke, soot, Co, CO_2		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Allow to solidify. Scrape up.
WASTE DISPOSAL METHOD	Bury in chemical landfill in accordance with local and state regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*	Bureau of Mines dust respirator	
VENTILATION	LOCAL EXHAUST: Yes	SPECIAL
	MECHANICAL *(General)*	OTHER
PROTECTIVE GLOVES	Leather	EYE PROTECTION: Chemical goggles.
OTHER PROTECTIVE EQUIPMENT		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Avoid inhalation of dust and vapors. Avoid skin and eye contact. Avoid burns when in molten state. Handle as flammable material.
OTHER PRECAUTIONS	

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While the information and recommendations set forth herein are believed to be accurate as of the date hereof, MONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

IR: HCH: JTG: WBP 12/71

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