Hoechst Celanese

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Material Safety Data Sheet $\verb"MOTFORD!STRIBUTION!"$

Hoechst Celanese Corporation Electronic Products Division P.O. Box 3700 50 Meister Avenue Somerville, NJ 08876-1258

THE EMERGENCY PHONE NUMBERS ARE: CHEMTREC (800) 424-9300 HOECHST CELANESE (908) 231-4944 FOR (NON EMERGENCY) PRODUCT INFORMATION CALL: (908) 231-5566 PAGE 1						
PRODUCT IDENTIFICATION						
HAZARDOUS INGREDIENTS						
INGREDIENT: PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE, PMA, PGMEA, 1-METHOXY-2-PROPYL ACETATE, CAS# 108-65-6 OTHER: CRESOL NOVOLAK RESIN(117520-84-0) 2,1,5-D1AZONAPHTHOQUINONE ESTERS WITH 2,3,4-TRIHYDROXYBENZO- PHENONE(68510-93-0) PERCENT: HAZARD DATA: TO INHALATION, CONTACT HAZARD. COMBUSTIBLE. SEE EFFECTS OF OVEREXPOSURE NJ AND PA RIGHT-TO-KNOW LISTINGS						
PHYSICAL DATA						
PHYSICAL DATA LOW HIGH UNITS COMMENT BOTLING POINT BEGINS 134 °C SOLUBILITY IN WATER VISCOSITY 35 CST % VOLATILE 70 SPECIFIC GRAVITY (WATER =1) 1.06						
APPEARANCE AND ODOR: AMBER TO DARK RED LIQUID, CHARACTERISTIC ODOR.						
FLASH POINT: 119 °F PM CC						
EXTINGUISHING MEDIA: CARBON DIOXIDE, WATER, ALCOHOL FOAM OR DRY CHEMICAL.						
SPECIAL PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL DRUMS IN FIRE AREA.						
UNUSUAL HAZARDS: SOLVENT VAPORS. SEE HAZARDOUS INGREDIENTS AND HEALTH INFORMATION. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.						
HEALTH INFORMATION						
PRIMARY ROUTE OF EXPOSURE: INHALATION: YES SKIN ABSORPTION: YES INGESTION: NO ALSO SKIN AND EYE CONTACT WITH LIQUID AND VAPORS.						
EFFECTS OF OVEREXPOSURE: PGMEA CAN CAUSE SKIN, EYE AND RESPIRATORY IRRITATION. EXTREME OR PRO- LONGED EXPOSURE MAY CAUSE GASTRIC AND CENTRAL NERVOUS SYSTEM EFFECTS. PGMEA IS READILY ABSORBED THROUGH INTACT SKIN.						

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THE EMERGENCY PH		HOECHST	CELANESE (908) 231-4944	DAGE 2	
FOR (NON EMERGENCY) PRODUCT INFORMATION CALL: (908) 231-5566 PAGE 2 PRODUCT NAME: MSDS NUMBER: 50007063						
AZ 1518 PHOTOR		UEA!TU TNE	ODMATION		CONTINUED	
					(CUNTINUED)	
TOXICITY:	ROUTE TE: ORAL LD! ORAL LD! DERMAL LD! INH LC!	ST DOSE 50RAT 8.5 50RAT 10.0 50RBT >5.0 50RAT >4350	UNITS G/KG G/KG G/KG PPM	COMMENTS PGMEA/MALE PGMEA/FEMALE PGMEA PGMEA		
MEDICAL CONDITIONS AGGRAVATED: PREEXISTING SKIN, EYE AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED.						
CARCINOGEN:	IARC: NO	NTP: NO	OSHA: NO			
T.L.V.: PGMEA	100	PPM				
TEXT: SUGGESTED BY MANUFACTURER OF PGMEA.						
	EMER	RGENCY AND F	IRST AID P	ROCEDURE		
INHALATION: REMOVE VICTIM	TO FRESH AIR.	CONSULT PHYS	SICIAN IF	IRRITATION OCCU	RS.	
EYE CONTACT: FLUSH THOROUGH	LY WITH WATER	FOR 15 MINU	TES.GET IM	MEDIATE MEDICAL	HELP.	
SKIN CONTACT: IMMEDIATELY RE THOROUGHLY WIT CONSULT PHYSIC	H SOAP AND WAT	ER.		AFFECTED AREA		
INGESTION: IF PERSON IS CONSCIOUS, GIVE WATER OR MILK TO DILUTE STOMACH CONTENTS. CONSULT PHYSICIAN.						
ADDITIONAL MEASU ADMINISTER OXY		S DIFFICULT	Y IN BREAT	HING.		
	- 	REACTIVITY	Y DATA			
CHEMICAL STABILI	TY: STABLE	HAZAF	RDOUS POLY	MERIZATION: WIL	L NOT OCCUR	
CONDITIONS TO AVO AVOID CONTACT V AVOID CONTACT V AVOID CONTACT V	WITH OXIDIZING WITH STRONG AC	IDS.				
HAZARDOUS DECOMPO THERMAL DECOMPO CARBON DIOXIDE AS WELL AS VOLA	SITION MAY GE , CARBON MONOX	NERATE IDE AND OXII	DES OF NIT	ROGEN AND SULFU	R	

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CHEMTREC (800) 424-9300 HOECHST CELANESE (908) 231-4944 THE EMERGENCY PHONE NUMBERS ARE: CHEMTREC FOR (NON EMERGENCY) PRODUCT INFORMATION CALL: (908) 231-5566 PAGE 3 PRODUCT NAME: MSDS NUMBER: 50007063 AZ 1518 PHOTORESIST -----BPILL OR LEAK PROCEDURES/WASTE DISPOSAL-----------------SPILL OR LEAK PROCEDURES: WEARING APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, CONTAIN SPILL, VENTILATE AREA OF SPILL OR LEAK
REMOVE ALL SPARKING DEVICES OR IGNITION SOURCES. COLLECT ONTO INERT ABSORBENT, PLACE IN SUITABLE CONTAINER. WASTE DISPOSAL DISPOSE OF OR INCINERATE IN ACCORDANCE WITH REGULATIONS. LISTED AS A HAZARDOUS SUBSTANCE, AS DEFINED IN THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980. RESPIRATORY PROTECTION:
CHEMICAL CARTRIDGE RESPIRATOR RECOMMENDED FOR EXPOSURES EXCEEDING TLV. SEE SPECIAL PRECAUTIONS. PROTECTIVE CLOTHING: CLOTHING SUITABLE TO PREVENT SKIN CONTACT. SAFETY EYEWEAR TO PROTECT AGAINST SPLASHES. RUBBER GLOVES. ADDITIONAL PROTECTIVE MEASURES: USE LOCAL EXHAUST VENTILATION. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL. STORE AT 30-70°F KEEP AWAY FROM HEAT SPARKS AND FLAME. STORE IN ORIGINAL CONTAINER. TRANSPORT AND STORE UNDER DRY CONDITIONS TIGHTLY CLOSED AND PROTECTED FROM LIGHT.

PRESSURE MAY BUILD UP SLOWLY IN CLOSED CONTAINERS DUE TO GRADUAL DECOMPOSITION. THIS IS ACCELERATED BY HEAT AND LIGHT WITH POSSIBLE LIBERATION OF COMBUSTIBLE SOLVENT VAPORS.

2,3,4-TRIHYDROXYBENZOPHENONE (TOB) MAY SUBLIME TO SURFACES WITHIN HEATING EQUIPMENT UNDER CONDITIONS OF HIGH TEMPERATURE, MINIMAL VENTING AND LARGE THROUGHPUT. SUGGESTED CLEANUP IS WITH AQUEOUS BASIC PHOTORESIST DEVELOPER FOLLOWED BY THOROUGH RINSE, AVOID SKIN CONTACT OR INHALATION OF DUSTS AND VAPORS. TOB IS NOT LISTED AS A HAZARDOUS WASTE IT IS AN IRRITANT AND AN INVITED AND WASTE. IT IS AN IRRITANT AND AN INVITRO AND INVIVO MUTAGEN. -----CTHER REGULATORY CONTROLS--------------OTHER REGULATORY CONTROLS: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. OSHA PHYSICAL HAZARDS: COMBUSTIBLE LIQUID OSHA HEALTH HAZARDS: EYE HAZARD IRRITANT LUNG TOXIN NERVE SYSTEM TOXIN

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PRODUCT NAME: AZ 1518 PHOTORESIST

MSDS NUMBER: 50007063

------(CONTINUED)

SKIN HAZARD

SARA HAZARD CLASS:

ACUTE: YES CHRONIC: NO FIRE HAZARD: YES PRESSURE: NO REACTIVITY: NO