HMIS*

HEALTH

REACTIVITY PERSONAL PROTECTION

MC-L503R @1981 NPC

MATERIAL SAFETY DATA SHEET DU PONT FINISHES & FABRICATED PRODUCTS

***** SECTION I *****

FORMULA DATE: 860109

DATE: 09/08/87

MANUFACTURER:

E.I. DUPONT DE NEMOURS &CO (INC)

FINISHES & FABRICATED PRODUCTS DEPT. 1007-T Modet St.

WILMINGTON, DELAWARE 19898

TELEPHONE:

PRODUCT INFORMATION (800) 441-7515 MEDICAL EMERGENCY (800) 441-3637

TRANSPORTATION EMERGENCY (800) 424-9300 (CHEMTREC)

IDENTITY: 'CORLAR' EPOXY ACTIVATOR

SALES CODE: VGY 8339

DOT NAME: FLAMMABLE LIQUID

INGRED# CAS NO.

HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

***** SECTION II - INGREDIENTS *****

INGREDIENT

001	NONE	POLYAM	IDE POL	MER			
002	71-36-3	N-BUTY!	L ALCOHO	OL -			
003	78-93-3	METHYL	ETHYL I	KETONE -			
004	108-11-2	METHYL	ISOBUTY	L CARBIN	OL		
005	108-88-3	TOLUEN	E				
006	67-63-0	ISOPRO	PYL ALCO	OHOL			
007	107-98-2	PROPYL	ENE GLY	COL METHY	L ETHER		
800	1330-20-7	XYLENE	/				
	VAPOR						
	PRESSURE						
INGRED#	MM HG		EXPOSU	RE LIMITS	3		
001	NONE	ACGIH	NONE				
		OSHA	NONE				
002	5.50	ACGIH	50.0	РРМ	SKIN	CEILING	
002	25 DEG (C)		100.0		DALLIN	ODADANO	
	20 220 (0)	DUPONT	25.0				
		DUPONT	50.0			15 MIN TWA	
		2010112		••••		20 1.211 2.111	
003	71.00	ACGIH	200.0	PPM			
	25 DEG (C)	OSHA	200.0	PPM			
		ACGIH	300.0	PPM		15 MIN(STEL)	
004	2.20	ACGIH	25.0	PPM		SKIN	
	25 DEG (C)	OSHA	25.0	PPM			
		ACGIH	40.0	PPM		15 MIN(STEL)	

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**** SECTION II CONTINUED ****

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005		36.70	ACGIH	100.0	РРМ		
	25	DEG (C)	OSHA	200.0	PPM		
			ACGIH	150.0	PPM		15 MIN(STEL)
			OSHA	300.0	PPM	CEILING	
			OSHA	500.0	PPM		MAX (10MIN)
006		33.00	ACGIH	400.0	PPM		
	25	DEG (C)	OSHA	400.0	PPM		
			ACGIH	500.0	PPM		15 MIN(STEL)
007	¥	10.90	ACGIH	100.0	DDM		(15 MIN STEL)
	25	DEG (C)		NONE	11.11		(15 MIN SILL)
008		25.00	ACGIH	100.0	РРМ		
	25	DEG (C)	OSHA	100.0	PPM		
			ACGIH	150.0	PPM		15 MIN(STEL)

***** SECTION III - PHYSICAL DATA *****

EVAPORATION RATE	VAPOR DENSITY	SOLUBILITY OF SOLVE
SLOWER THAN ETHER	HEAVIER THAN AIR	SYSTEM IN WATER APPRECIABLE
PERCENT VOLATILE BY VOLUME 64.3	APPROX. BOILING RANGE 78-155 DEG (C)	WEIGHT PER GALLON 7.34
PERCENT VOLATILE BY WEIGHT 61.3	PERCENT SOLIDS 38.6	V.O.C. THEORETICAL 4.50

***** SECTION IV - FIRE & EXPLOSION DATA *****

FLASH POINT (METHOD)
BETWEEN 20 - 73 F (CC)

APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL .0 %

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL SPECIAL FIRE FIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS, IS RECOMMENDED. WATER FROM FOG NOZZLES MAY USED TO PREVENT PRESSURE BUILD-UP.

UNUSUAL FIRE & EXPLOSION HAZARDS: WHEN HEATED ABOVE THE FLASHPOINT, EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MISTS OR SPRAYS MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

***** SECTION V - HEALTH HAZARD DATA *****

ROUTE OF ENTRY SYMPTOMS/EFFECTS AND FIRST AID

INHALATION: MAY CAUSE NOSE AND THROAT IRRITATION . MAY CAUSE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING

**** SECTION V CONTINUED ****

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PROGRESSIVE STEPS: HEADACHE, DIZZINESS, NAUSEA, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SKIN OR EYE CONTACT: MAY CAUSE IRRITATION OR BURNING OF THE EYES. REPEATED OR PROLONGED LIQUID CONTACT MAY CAUSE SKIN IRRITATION WITH DISCOMFORT AND DERMATITIS.

OTHER POTENTIAL HAZARDS INCLUDE:

N-BUTYL ALCOHOL

LIQUID SPLASHES IN THE EYE MAY RESULT IN CHEMICAL BURNS.
MAY CAUSE ABNORMAL LIVER FUNCTION.
MAY CAUSE ABNORMAL KIDNEY FUNCTION.

METHYL ETHYL KETONE

HIGH CONCENTRATIONS HAVE CAUSED EMBRYOTOXIC EFFECTS IN LABORATORY ANIMALS.

METHYL ETHYL KETONE HAS BEEN DEMONSTRATED TO POTENTIATE (I.E., SHORTEN THE TIME OF ONSET) THE PERIPHERAL NEUROPATHY CAUSED BY EITHER N-HEXANE OR METHYL N-BUTYL KETONE. MEK BY ITSELF HAS NOT BEEN DEMONSTRATED TO CAUSE PERIPHERAL NEUROPATHY.

LIQUID SPLASHES IN THE EYE MAY RESULT IN CHEMICAL BURNS.

METHYL ISOBUTYL CARBINOL

MALE RATS EXPOSED TO VERY HIGH AIRBORNE LEVELS, SHOWED AN INCREASE IN KIDNEY WEIGHTS. THESE EFFECTS WERE NOT SEEN IN MALE RATS EXPOSED TO LOWER CONCENTRATIONS, OR IN FEMALE RATS AT THE SAME LEVEL.

LIQUID SPLASHES IN THE EYE MAY RESULT IN CHEMICAL BURNS. EXTREMELY HIGH CONCENTRATIONS HAVE CAUSED BLOOD CHANGES AND WEAKNESS IN LABORATORY ANIMALS.

TOLUENE

RECURRENT OVEREXPOSURE MAY RESULT IN LIVER AND KIDNEY INJURY.

HIGH AIRBORNE LEVELS HAVE PRODUCED IRREGULAR HEART BEATS IN ANIMALS AND OCCASIONAL PALPITATIONS IN HUMANS. RATS EXPOSED TO VERY HIGH AIRBORNE LEVELS HAVE EXHIBITED HIGH FREQUENCY HEARING DEFICITS. THE SIGNIFICANCE OF THIS TO MAN IS UNKNOWN.

ISOPROPYL ALCOHOL

INGESTION STUDIES ON LABORATORY ANIMALS SHOWED THAT VERY HIGH ORAL DOSES CAUSED INCREASED LIVER AND KIDNEY WEIGHTS. HIGH ORAL DOSES HAVE CAUSED ANEMIA IN LABORATORY ANIMALS.

PROPYLENE GLYCOL METHYL ETHER

OVER EXPOSURE MAY CAUSE EYE, NOSE AND THROAT IRRITATION.
REPEATED OR PROLONGED LIQUID CONTACT MAY CAUSE SKIN IRRITATION AND DERMATITIS. MAY CAUSE CENTRAL NERVOUS SYSTEM

**** SECTION V CONTINUED ****

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EFFECTS SUCH AS DIZZINESS, HEADACHE, NAUSEA, AND LOSS OF CONCIOUSNESS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

OVEREXPOSURE MAY LEAD TO KIDNEY, LIVER AND LUNG DAMAGE.

XYLENE

HIGH CONCENTRATIONS HAVE CAUSED EMBRYOTOXIC EFFECTS IN LABORATORY ANIMALS.
RECURRENT OVEREXPOSURE MAY RESULT IN LIVER AND KIDNEY INJURY.
CAN BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS.

FIRST AID:

INHALATION: IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING DIFFICULTY PERSISTS, OR OCCURS LATER, CONSULT A PHYSICIAN.

SKIN OR EYE: IN CASE OF CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES; CALL A PHYSICIAN. IN CASE OF SKIN CONTACT, WASH WITH SOAP AND WATER. IF IRRITATION OCCURS, CONTACT A PHYSICIAN.

INGESTION: GASTRO-INTESTINAL DISTRESS.
IN THE UNLIKELY EVENT OF INGESTION, CALL A PHYSICIAN IMMEDIATELY AND HAVE NAMES OF INGREDIENTS AVAILABLE.

***** SECTION VI - REACTIVITY DATA *****

STABILITY STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE REASONABLY FORESEEABLE.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, SMOKE, OXIDES OF HEAVY METALS REPORTED IN SECTION V.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

***** SECTION VII - SPILL OR LEAK PROCEDURES *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: VENTILATE AREA. REMOVE SOURCES OF IGNITION. PREVENT SKIN CONTACT AND BREATHING OF VAPOR. CONFINE AND REMOVE WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD: DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEMS. INCINERATE ABSORBED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. DO NOT INCINERATE IN CLOSED CONTAINERS.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION *****

RESPIRATORY: DO NOT BREATHE VAPORS OR MISTS. WEAR A
PROPERLY FITTED VAPOR/PARTICULATE RESPIRATOR APPROVED BY
NIOSH/MSHA (TC-23C) FOR USE WITH PAINTS DURING APPLICATION
AND UNTIL ALL VAPORS AND SPRAY MISTS ARE EXHAUSTED. FOLLOW
THE RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE.
VENTILATION: PROVIDE SUFFICIENT VENTILATION IN VOLUME AND
PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE OSHA REQUIREMENTS AND OTHER SUGGESTED EXPOSURE LIMITS.
PROTECTIVE CLOTHING: NEOPRENE GLOVES AND COVERALLS
ARE RECOMMENDED.
EYE PROTECTION: GOGGLES ARE PREFERRED TO PREVENT EYE IRRITATION. IF SAFETY GLASSES ARE SUBSTITUTED, INCLUDE SPLASH
GUARD OR SIDE SHIELDS.

PROTECTIVE CREAMS: DO NOT USE FOR PROTECTION. MAY BE USED FOR EASE OF CLEAN UP.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: OBSERVE LABEL PRECAUTIONS. KEEP AWAY FROM HEAT, SPARKS AND FLAME. CLOSE CONTAINER AFTER EACH USE. GROUND CONTAINERS WHEN POURING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR SMOKING. DO NOT STORE ABOVE 120 F. OTHER PRECAUTIONS: DO NOT SAND, FLAME CUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH/MSHA APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

***** SECTION X - NOTES *****

NOTICE FROM DUPONT

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATE ONLY TO THE S
MATERIAL DESIGNATED HEREIN AND DO NOT RELATE TO USE IN COMBINATI
WITH ANY OTHER MATERIAL OR ANY PROCESS.

PRODUCT MANAGER