

DUPONT MATERIAL SAFETY DATA SHEET

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\*\*\*\*\* SECTION I \*\*\*\*\*

MANUFACTURER: E.I. DUPONT DE NEMOURS & CO., (INC.)  
AUTOMOTIVE PRODUCTS DEPARTMENT  
WILMINGTON, DELAWARE 19898

TELEPHONE: PRODUCT INFORMATION (800) 441-7515  
MEDICAL EMERGENCY (800) 441-3637  
TRANSPORTATION EMERGENCY (800) 424-9300 (CHEMTREC)

IDENTITY: Acrylic  
LACQUER THINNER

PRODUCT CODE: 3608S FORMULA DATE: 841023

DOT NAME: FLAMMABLE LIQUID

HMIS: H=2, F=3, R=0

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

ING#	CAS NO.	SEC. 313	INGREDIENT
001	67-64-1	29 %	ACETONE
002	67-56-1	4 %	METHYL ALCOHOL
003	108-88-3	9 %	TOLUENE
004	67-63-0		ISOPROPYL ALCOHOL
005	NONE		MIXED DIBASIC ESTERS
006	108-65-6		PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE
007	64742-89-8		VM&P NAPHTHA
008	1330-20-7	9 %	XYLENE

SECTION 313 SUPPLIER NOTIFICATION

THE CHEMICALS LISTED ABOVE WITH PERCENTAGES ARE SUBJECT TO  
THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY  
PLANNING AND RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

ING#	VAPOR PRESSURE MM HG	EXPOSURE LIMITS
001	184.00	ACGIH 750.0 PPM
	20 DEG (C)	OSHA 750.0 PPM
		ACGIH 1000.0 PPM
		OSHA 1000.0 PPM
		15 MIN(STEL)
		15 MIN(STEL)
002	100.00	ACGIH 200.0 PPM
	20 DEG (C)	OSHA 200.0 PPM
		OSHA 250.0 PPM
		ACGIH 250.0 PPM
		SKIN
		SKIN
		SKIN 15 MIN(STE
		15 MIN(STEL)

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

003	36.70	ACGIH	100.0 PPM	
	20 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)
004	33.00	ACGIH	400.0 PPM	
	20 DEG (C)	OSHA	400.0 PPM	
		ACGIH	500.0 PPM	15 MIN(STEL)
		OSHA	500.0 PPM	15 MIN(STEL)
005	.20	DUPONT	10.0 MG/M3	
	20 DEG (C)	ACGIH	NONE	
		OSHA	NONE	
006	3.70	ACGIH	NONE	
	20 DEG (C)	OSHA	NONE	
007	50.00	ACGIH	300.0 PPM	
	25 DEG (C)	OSHA	300.0 PPM	
		OSHA	400.0 PPM	15MIN(STEL)
		DUPONT	100.0 PPM	
008	25.00	ACGIH	100.0 PPM	
	25 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER APPRECIABLE
PERCENT VOLATILE BY VOLUME 100.0	APPROX. BOILING RANGE 54-225 DEG (C)	WEIGHT PER GALLON 6.61
PERCENT VOLATILE BY WEIGHT 100.0	PERCENT SOLIDS 0.0	V.O.C. THEORETICAL 6.61

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BELOW 20 F (CC)	APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL 36.5 %
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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 BE USED TO PREVENT PRESSURE BUILD-UP.

## \*\*\*\*\* SECTION IV CONTINUED \*\*\*\*\*

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

## METHYL ALCOHOL

EXCESSIVE HUMAN EXPOSURE TO METHANOL MAY LEAD TO: FATIGUE, HEADACHE, ANAESTHETIC, NEUROLOGIC EFFECTS, AND VISUAL DIFFICULTIES INCLUDING BLINDNESS OR DEATH. RECURRENT OVEREXPOSURE MAY RESULT IN LIVER AND KIDNEY INJURY. CAN BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. HAS BEEN TOXIC TO THE FETUS IN LABORATORY ANIMALS AT DOSES THAT ARE TOXIC TO THE MOTHER.

## 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.

## MIXED DIBASIC ESTERS

HIGH AIRBORNE LEVELS IN RATS HAVE SHOWN MILD INJURY TO THE OLFACTORY REGION OF THE NOSE.

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE  
MAY CAUSE MODERATE EYE BURNING  
RECURRENT OVEREXPOSURE MAY RESULT IN LIVER AND KIDNEY  
INJURY.

## VM&amp;P NAPHTHA

LABORATORY STUDIES WITH RATS HAVE SHOWN THAT PETROLEUM DISTILLATES CAUSE KIDNEY DAMAGE AND KIDNEY OR LIVER TUMORS. THESE EFFECTS WERE NOT SEEN IN SIMILAR STUDIES WITH GUINEA PIGS, DOGS, OR MONKEYS. SEVERAL STUDIES EVALUATING PETROLEUM WORKERS HAVE NOT SHOWN A SIGNIFICANT INCREASE OF KIDNEY DAMAGE OR AN INCREASE IN KIDNEY OR LIVER TUMORS.

## 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.

SKIN OR EYE CONTACT: MAY CAUSE IRRITATION OF THE EYES. REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE IRRITATION. IN CASE OF EYE CONTACT, FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, CALL A PHYSICIAN. FOR SKIN CONTACT, WASH WITH SOAP AND WATER.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABILITY  
STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE REASONABLY FORESEEABLE.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, SMOKE, OXIDES



## \*\*\*\*\* SECTION VI CONTINUED \*\*\*\*\*

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 REQUIRE-  
MENTS AND OTHER SUGGESTED EXPOSURE LIMITS.

PROTECTIVE CLOTHING: NEOPRENE GLOVES AND COVERALLS ARE  
RECOMMENDED.

EYE PROTECTION: GOGGLES ARE PREFERRED TO PREVENT EYE IRRI-  
TATION. 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 APPROPRI-  
ATE VENTILATION.

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

NOTICE FROM DUPONT

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

PRODUCT MANAGER

"THE FOLLOWING NOTICE IS REQUIRED BY CALIFORNIA PROPOSITION  
65. 'WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE  
STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER  
REPRODUCTIVE HARM.'"