DU PONT FINISHES & FABRICATED PRODUCTS

REC'D DEC 22 1987

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

FORMULA DATE: DATE: 12/10/86

MANUFACTURER:

E.I. DUPONT DE NEMOURS &CO (INC) DPm 918

FINISHES & FABRICATED PRODUCTS DEPT.

WILMINGTON, DELAWARE 19898

TELEPHONE:

PRODUCT INFORMATION (800) 441-7515

MEDICAL EMERGENCY (800) 441-3637

TRANSPORTATION EMERGENCY (800) 424-9300 (CHEMTREC)

IDENTITY:

PRODUCT CODE: 202S

DOT NAME: COMBUSTIBLE LIQUID

HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

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

INGRED#	CAS NO.	INGREDIENT
001	7631-86-9	ROSE TRIPOLI
002	61790-12-3	TALL OIL FATTY ACIDS
003	NONE	TALL OIL FATTY ACIDS
004	NONE	KEROSENE
005	8002-09-3	PINE OIL
006	7732 -18-5	WATER

INGRED#	VAPOR PRESSURE MM HG		EXPOSURE LIMITS
001	UNKNOWN	ACGIH	NONE
		OSHA	NONE
002	UNKNOWN	ACGIH	10.0 MG/M3
		OSHA	NONE
003	UNKNOWN	ACGIH	10.0 MG/M3
		OSHA	NONE
004	1.00	ACGIH	100.0 PPM
	0 DEG (C)	OSHA	100.0 PPM
005	1.00	ACGIH	NONE
	0 DEG (C)	OSHA	NONE
006	UNKNOWN	ACGIH	NONE
		OSHA	NONE

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

EVAPORATION RATE	VAPOR DENSITY	SOLUBILITY OF SOLVENT SYSTEM IN WATER
SLOWER THAN ETHER	HEAVIER THAN AIR	APPRECIABLE

PERCENT VOLATILE BY VOLUME	APPROX. BOILING RANGE	WEIGHT PER GALLON
67.4	100-225 DEG (C)	10.50

PERCENT VOLATILE BY WEIGHT	PERCENT SOLIDS	V.O.C. THEORETICAL
47.7	52.2	3.61

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

FLASH POINT (METHOD)
BETWEEN 100 - 140 F (CC)

APPROX. FLAMMABLE LIMITS
LEL .0 % UEL 7.0 %

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 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:

PINE OIL
CAUSES EYE CORROSION AND PERMANENT INJURY.

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

***** SECTION V CONTINUED ***** 12/10/86

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 SPECIFIC MATERIAL DESIGNATED HEREIN AND DO NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR ANY PROCESS.

PRODUCT MANAGER