LOCTITE CORPORATION UPM-5635-1 MATERIAL SAFETY DATA superseded by DPM 6081 5/13/81

(INFORMATION WILL BE TREATED AS CONFIDENTIAL)

SECTION I — MATERIAL IDENTIFICATION

NAME: Primer T

PART NO. #747

MANUFACTURER'S NAME: Loctite Corporation

EMERGENCY TELEPHONE NO.: (203) 278-1280 X287

ADDRESS (Number, Street, City, State, Zip Code): 705 N. Mountain Rd., Newington, CT 06111

CHEMICAL NAME AND SYNONYMS:

TRADE NAME AND SYNONYMS:

CHEMICAL FAMILY:

FORMULA NUMBER:

SECTION II — CHEMICAL AND PHYSICAL PROPERTIES (USE ADDITIONAL SHEETS IF NECESSARY)

MOLECULAR WT	BOILING POINT	MELTING POINT	SPECIFIC GRAVITY (Water=1) or BULK DENSITY
	170-180 °F	°F	1.3 @ 80 °F

VAPOR DENSITY (Air=1)	VAPOR PRESSURE (mm Hg)		
4.53	100 @ 68 °F	@ °F	@ °F

SOLUBILITY	ODOR/APPEARANCE	pH/	INDEX OF REFRACTION
Negative	Sharp/Yellow Liquid		@ °F

CORROSIVE ACTION ON MATERIALS (e.g. aluminum, carbon steel, copper, rubber, plastics, etc.)

DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO	AIR	WATER	HEAT	STRONG OXIDIZERS	POSSIBLE PRODUCTS PRODUCED ON DECOMP.
Yes / No	X	X	X	X	

COMPOSITION — GIVE CHEMICAL NAMES OF COMPONENTS. IT IS IMPORTANT TO KNOW WHETHER ALCOHOL IS METHANOL; AN AROMATIC HYDROCARBON IS BENZENE, A CHLORINATED MATERIAL IS CARBON TETRACHLORIDE.

COMPONENT	%	TLV	COMPONENT	%	TLV	COMPONENT	%	TLV
Methyl Chloroform	90	350	Thiokol	<5	N/A			
Isopropanol	7	400						
Alkylarylamine	<5	N/A						

SECTION III — FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: CLOSED CUP 138 °F; OPEN CUP 0N/1 °F

IF FLASH POINT CHANGES DURING EVAPORATION GIVE DATA

EXPLOSIVE LIMITS (% by vol. in air): LOWER % UPPER %

SUSCEPTIBILITY TO SPONTANEOUS HEATING: Yes / No X

FIRE POINT °F

AUTOIGNITION TEMP. °F

SUITABLE EXTINGUISHING AGENTS: CO_2, Foam, Dry Chemical

WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES?: Toxic Chlorides

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: NONE

COMPRESSED GASES — NAME: FLAMMABLE: YES / NO — ROOM TEMPERATURE PSI

SECTION IV — HAZARDOUS INGREDIENTS

DOES PRODUCT CONTAIN	YES	NO	% BY WT.
CARBON TETRACHLORIDE		X	
DIETHYLENEGLYCOL		X	
ETHYLENEGLYCOL		X	
BENZENE, TOLUENE, XYLENE, PETROLEUM DISTILLATES (Indicate which)		X	
METHYL ALCOHOL		X	
TURPENTINE		X	
PHENOL		X	

IS PRODUCT	YES	NO		YES	NO
TOXIC		X	CORROSIVE		X
HIGHLY TOXIC		X	AN IRRITANT		X
FLAMMABLE			RADIO ACTIVE		X
HIGHLY FLAMMABLE		X	A STRONG SENSITIZER		X

CombustibleX

SECTION V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE OF PRODUCT: 350 ppm

EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness occure above TLV. High exposure causes narcosis. Also moderately toxic through skin abosrption.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention. Skin/Eye Contact: flush with water. Obtain medical attention.

SECTION VI — REACTIVITY DATA

STABILITY: UNSTABLE [ ] STABLE [X] — CONDITIONS TO AVOID:

INCOMPATABILITY (Materials to Avoid): Will attack paint, enamel, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic chloride fumes.

HAZARDOUS POLYMERIZATION: MAY OCCUR [ ] WILL NOT OCCUR [X] — CONDITIONS TO AVOID:

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush with shop solvents.

WASTE DISPOSAL METHOD

Standard for chlorinated hydrocarbons.

SECTION VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

VENTILATION	LOCAL EXHAUST: Necessary for prolonged use.	SPECIAL
	MECHANICAL (general)	OTHER

PROTECTIVE GLOVES (type if required): Recommended

EYE PROTECTION: Recommended

OTHER PROTECTIVE EQUIPMENT

SECTION IX — SHIPPING REGULATIONS FOR HAZARDOUS MATERIAL

A. IS THE ARTICLE SUBJECT TO SHIPPING REGULATION FOR HAZARDOUS MATERIAL UNDER EACH OF THE FOLLOWING MODES (1)
NOTE: (1), (2), (3), (4), - REFER TO INSTRUCTIONS: MATERIAL SAFETY DATA SECTION IX

	YES	NO
RAIL	X	
TRUCK	X	
BUS	X	
AIR (2)	X	
PARCEL POST	X	
WATER CARRIER	X	
UNITED PARCEL	X	

B. [illegible], COMPLETE THIS SECTION (IF NECESSARY ATTACH ADDITIONAL DETAIL SHEET)

TYPE OR CLASS DESCRIBED IN THE REGULATIONS
CFR #49 - Comb. L.
IATA - Comb. L

PROPER SHIPPING NAME (TRUE CHEMICAL OR OTHER NAME AS LISTED IN THE REGULATIONS) CFR#49-Combustible Liquid,n.o.s.
IATA #1939 Combustible Liquids in packaging

TYPE OF PACKING CONTAINER

SIZE OR QUANTITY IN PACKAGE

MAXIMUM QUANTITY OR GROSS WEIGHT LIMITS FOR FOLLOWING MODES
Having capacities of 420 L. or less

RAIL		BUS	
TRUCK		PAPARCEL POST	
WATER CARRIER		UNITED PARCEL	
AIR	420 Liters		

OUTER CONTAINER DESCRIPTION (4)

SPEC. NO. IF PUBLISHED IN REGULATIONS

MAKING REQUIREMENTS FOR OUTER CONTAINER

MODE	
X	RAIL
X	TRUCK
X	WATER CARRIER
	AIR
X	BUS
X	PARCEL POST
X	UNITED PARCEL

MARKING: FLASHPOINT 130°F (unless inside) (container 1 QT or less)

LABEL REQUIRED IF NOT EXEMPT

MODE	
	RAIL
	TRUCK
	WATER CARRIER
X	AIR
	BUS
	PARCEL POST
	UNITED PARCEL

LABEL: Not Restricted

C. SHIPPING PAPERS OR /DOCUMENTS INFORMATION (USE ADDITIONAL SHEETS IF NECESSARY FOR DETAILS)

	YES	NO
CERTIFICATE REQUIRED		X
CHARGED PRESSURE (PSI ____)		X
SPECIAL STOWAGE REQUIREMENT OR INSTRUCTION FOR CARRIER		X

OTHER INFORMATION SUCH AS RESTRICTIONS FOR SHIPMENT VIA CARGO AIRCRAFT ONLY

(1) ETC. SPECIFY THOSE REQUIREMENT SUCH AS TEMPERATURE LIMITS LOCATION ON CARRIER VEHICLE, EXPOSURE OR STOWAGE WARNING INSTRUCTIONS, ETC.

SECTION X — SPECIAL PRECAUTION & CONCLUSION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid prolonged breathing of vapor.

ADDITIONAL SUPPLIER COMMENTS Avoid contact with skin/eyes.
Store below 110°F.

BY E. S. Kubik

TITLE Analytical Chemist - Section Head

DATE 5/3/77

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