



Loctite Corporation
Automotive Group

*TRANS
10/28/87
15. AUTO*
4450 Cranwood Court
Cleveland, Ohio 44128

(216) 475-3600
Toll Free: 1-800-321-9188
Telex: 6873201 Loctituw

MATERIAL SAFETY DATA SHEET

ZEELAND PUBLIC SCHOOLS
P. O. BOX 110
ATTN: RON WESTHOUSE
ZEELAND, MI

49464

DATE: 1/28/87
PAGE: 1

* ATTN: SAFETY SUPERVISOR

I. PRODUCT IDENTIFICATION

PRODUCT NAME: PERMATEX(R) HYDRAULIC JACK OIL

PART NO.:	78F	UPC CODE: (79340)-	80055
	78E		80054
	78N		80056

PRODUCT TYPE: HYDRAULIC FLUID

II. COMPOSITION

INGREDIENTS	% BY WT.	HAZARD
ZINC COMPOUND	<0.5	SKIN/EYE IRRITANT*
SEVERELY HYDROTREATED NAPHTENIC	>95	TLV 5MG/M3 (MIST) **
METHACRYLATE POLYMER	2-3	SKIN/EYE IRRITANT
SURFACTANT	<0.05	

* IT HAS BEEN SHOWN THAT, IN PRELIMINARY TESTS, CERTAIN ZINC COMPOUNDS, WHEN APPLIED TO THE SKIN OF MALE EXPERIMENTAL ANIMALS ADVERSELY AFFECT SPERMATOGENIC ACTIVITY.

** SKIN/EYE/INHALATION IRRITANT

IN LIGHT OF THE LOW CONCENTRATION OF THIS COMPONENT IN THE PRODUCT, IT IS OUR BEST TECHNICAL JUDGMENT THAT NORMAL USE OF THIS PRODUCT POSES NO SUCH CHRONIC HAZARD.

III. CHEMICAL AND PHYSICAL PROPERTIES

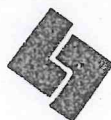
VAPOR PRESSURE: <5 MM
VAPOR DENSITY: NOT AVAILABLE
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE: AMBER LIQUID

SPECIFIC GRAVITY: 0.905 @ 60 DEG. F.
BOILING POINT: >300 DEG. F.
PH: DOES NOT APPLY
ODOR: MILD PETROLEUM

IV. TOXICITY AND HEALTH HAZARD DATA

TOXICITY:
LOW ORDER OF TOXICITY
SKIN AND EYE IRRITANT

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SYMPTOMS OF OVEREXPOSURE:
PROLONGED EXPOSURE MAY CAUSE DERMATITIS. BREATHING OF MIST MAY CAUSE
IRRITATION OF THE PULMONARY TRACT.
CARCINOGENICITY-NONE NTP-NO IARC-NO OSHA-NO

EMERGENCY TREATMENT PROCEDURES:

INGESTION:

DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

INHALATION:

NOT LIKELY TO OCCUR EXCEPT AS MIST. REMOVE TO FRESH AIR.

SKIN CONTACT:

WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONSULT PHYSICIAN.

EYE CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

PERSONAL PROTECTION:

EYES:

GLASSES FOR EXTENDED USE.

SKIN:

NEOPRENE OR PLASTIC GLOVES FOR EXTENDED USE.

VENTILATION:

NONE NORMALLY REQUIRED IF ADEQUATE VENTILATION PROVIDED.

V. FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: >200 DEG. F.

METHOD: OPEN CUP

EXPLOSIVE LIMITS(% BY VOLUME IN AIR)

LOWER: UNK % UPPER: UNK %

RECOMMENDED EXTINGUISHING AGENTS: CARBON DIOXIDE, FOAM, DRY CHEMICAL

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:

OXIDES OF CARBONS

UNUSUAL FIRE OR EXPLOSION HAZARDS:

NONE KNOWN

COMPRESSED GASES:

NAME: NONE

PRESSURE AT ROOM TEMPERATURE:

VI. REACTIVITY DATA

STABILITY:

[X] STABLE

[] UNSTABLE

HAZARDOUS POLYMERIZATION:

[] MAY OCCUR

[X] WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS(NON-THERMAL):

NONE KNOWN



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INCOMPATIBILITY:
STRONG OXIDIZERS

VII. SPILL OR LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:
CONTAIN SPILL. SOAK UP IN AN INERT ABSORBENT.

RECOMMENDED METHODS OF DISPOSAL:
INCINERATE OR LANDFILL FOLLOWING EPA AND LOCAL REGULATIONS.

VIII. STORAGE AND HANDLING PROCEDURES

STORAGE:
KEEP AWAY FROM FLAMES, SPARKS, OR HOT SURFACES.

HANDLING:
NORMAL SAFETY PRECAUTIONS

IX. SHIPPING REGULATIONS

TYPE OR CLASS	DOT:	UNRESTRICTED
	IATA:	UNRESTRICTED
PROPER SHIPPING NAME	DOT:	
	IATA:	

PREPARED BY: ROBERT J. CARTER

TITLE: DIR., CONSUMER & TECHNICAL AFFAIRS3

DATE: 7/22/86
SUPERSEDES: 110185