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**Loctite Corporation**  
Automotive Group

4450 Cranwood Court  
Cleveland, Ohio 44128

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

## MATERIAL SAFETY DATA SHEET

DATE: 6/05/86  
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PIUBLIC UTILITY DIST. NO. 1  
JIM LACKEY  
PO BOX 1117  
PORT ANGELES, WA. 98362

\* ATTN: SAFETY SUPERVISOR

## I. PRODUCT IDENTIFICATION

PRODUCT NAME: LOCTITE(R) SUPER BONDER(R) ADHESIVE  
PART NO.: 49450 UPC CODE: (79340)- 49411  
49411 49411  
49450 49450

PRODUCT TYPE: CYANOACRYLATE ADHESIVE

## II. COMPOSITION

| INGREDIENTS                 | % BY WT. | HAZARD         |
|-----------------------------|----------|----------------|
| ETHYL CYANOACRYLATE         | 95+      | SEE SECTION IV |
| POLY (METHYL METHACRYLATE)* | <5       | SEE SECTION IV |
| HYDROQUINONE**              | <0.5     | SEE SECTION IV |

\* PURE POLY (METHYL METHACRYLATE) HAS BEEN SHOWN TO CAUSE TUMORS IN EXPERIMENTAL ANIMALS WHEN IMPLANTED BENEATH THE SKIN.

\*\* HYDROQUINONE HAS BEEN SHOWN TO CAUSE REPRODUCTIVE EFFECTS IN EXPERIMENTAL ANIMALS WHEN IMPLANTED BENEATH THE SKIN. IT ALSO CAUSES MUTATION EFFECTS IN EXPERIMENTAL ANIMALS. HYDROQUINONE IS AN INDEFINITE ANIMAL CARCINOGEN.

IN LIGHT OF THE LOW CONCENTRATION OF THESE COMPONENTS IN THE PRODUCT, IT IS OUR BEST TECHNICAL JUDGMENT THAT NORMAL USE OF THIS PRODUCT POSES NO SUCH HAZARDS.

## III. CHEMICAL AND PHYSICAL PROPERTIES

|   |                                   |
|---|-----------------------------------|
| VAPOR PRESSURE: <2MM @75 DEG F            | SPECIFIC GRAVITY: 1.05 @ 75 DEG F |
| VAPOR DENSITY: APPROX. 3                  | BOILING POINT: >300 DEG F         |
| SOLUBILITY IN WATER: POLYMERIZED BY WATER | PH: DOES NOT APPLY                |
| APPEARANCE: CLEAR LIQUID                  | ODOR: SHARP, IRRITATING           |

## IV. TOXICITY AND HEALTH HAZARD DATA

TOXICITY:  
BONDS SKIN RAPIDLY & STRONGLY  
SKIN AND EYE IRRITANT  
LOW TOXICITY BY INGESTION

TLV: 2PPM (ESTIMATED)



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SYMPTOMS OF OVEREXPOSURE:

VAPOR IS IRRITATING TO EYES AND MUCOUS MEMBRANES ABOVE TLV.

EMERGENCY TREATMENT PROCEDURES:

INGESTION:

SEE ATTACHED SHEET ON EMERGENCY PROCEDURES. OBTAIN MEDICAL ATTENTION.

INHALATION:

REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY.

SKIN CONTACT:

SEE ATTACHED SHEET ON EMERGENCY PROCEDURES.

EYE CONTACT:

SEE ATTACHED SHEET ON EMERGENCY PROCEDURES. OBTAIN MEDICAL ATTENTION.

PERSONAL PROTECTION:

EYES:

SAFETY GLASSES OR GOGGLES FOR LARGE QUANTITY OR INDUSTRIAL USE.

SKIN:

POLYETHYLENE GLOVES RECOMMENDED FOR LARGE QUANTITY OR INDUSTRIAL USE.

VENTILATION:

PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATION BELOW TLV

V. FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: >200 DEG F

METHOD: T.C.C.

EXPLOSIVE LIMITS(% BY VOLUME IN AIR)

LOWER: UNK % UPPER: UNK %

RECOMMENDED EXTINGUISHING AGENTS: CO<sub>2</sub>, FOAM, DRY CHEMICAL

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:

SMOKE MAY CONTAIN TOXIC CYANIDES.

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] MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS(NON-THERMAL):

NONE KNOWN

RECEIVED

JUN 9 1986

PUD No 1



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**INCOMPATABILITY:**

POLYMERIZED BY CONTACT WITH WATER, ALCOHOLS, AMINES, ALKALIES.

**VII. SPILL OR LEAK AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:**

FLOOD WITH WATER TO POLYMERIZE. SOAK UP IN AN INERT ABSORBENT.

**RECOMMENDED METHODS OF DISPOSAL:**

POLYMERIZE AS ABOVE. LANDFILL OR INCINERATE IN ACCORDANCE WITH EPA AND LOCAL REGULATIONS.

**VIII. STORAGE AND HANDLING PROCEDURES**

**STORAGE:**

STORE AT OR BELOW 75 DEG F TO MAXIMIZE SHELF LIFE.

**HANDLING:**

AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING VAPORS.

**IX. SHIPPING REGULATIONS**

TYPE OR CLASS      DOT: UNRESTRICTED

                         IATA: UNRESTRICTED

PROPER SHIPPING NAME

                         DOT:

                         IATA:

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PREPARED BY: ROBERT J. CARTER

TITLE: DIR., CONSUMER & TECHNICAL AFFAIRS

DATE: 11/01/85

SUPERSEDES: NEW ISSUE