

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: **RP 1000**

DESCRIPTION: Cyanoacrylate adhesive, Instant adhesive, super glue

Manufactured for: Lawson Screen Products, Inc. 5110 Penrose Street, Saint Louis, MO 63115 USA

General Information: 314-382-9300

Emergency Phone: CHEMTREC 1-800-424-9300

MSDS Date: October 1999

2. COMPOSITION

| Component | CAS REG. NO. | Amount % | OSHA | | ACGIH | |
|-----------------------------|--------------|----------|---------------|-------|----------------|-------|
| | | | PEL | STEL | TLV | STEL |
| ETHYL CYANOACRYLATE | 7085-85-0 | 90-99 | none | 4 ppm | 0.2 ppm TWA | 4 ppm |
| POLY (METHYL METHACRYLATE) | 9011-14-7 | 1-10 | | | | |
| HYDROQUINONE | 12-31-9 | 0.1 -0.5 | 2 mg/m TWA | | 2 mg/m TWA | |
| | | | | | | |

3. HAZARDS IDENTIFICATIONS

HMIS Health 2 Flammability 2 Reactivity 1

NFPA Health 2 Fire Hazard 2 Reactivity 1

TOXICITY: Skin contact may cause burns. Bonds skin rapidly Skin and eye irritant.

Estimated oral LD 50 more than 5,000 mg/kg

Estimated dermal LD 50 more than 2,000 mg/kg

PRIMARY ROUTES OF ENTRY: None known

SYMPTOMS OF EXPOSURE: Vapors is irritating to mucous membranes when above TLV.

Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals.

Existing conditions aggravated by exposure: None known

TARGET ORGANS AND OTHER HEALTH EFFECTS:

| | | CARCINOGENS | | |
|-----------------------------|---|-------------|------|------|
| | | NTP | IARC | OSHA |
| Ethyl Cyanoacrylate: | Allergen, irritant, respiratory | No | No | No |
| Ploy (methyl methacrylate): | Irritant | No | N/A | No |
| Hydroquinone | ACGIH animal carcinogen, blood, Bone marrow, central nervous system, eye, immune system, irritant, liver, skin, mutagen, thyroid. | No | N/A | No |

4. FIRST AID MEASURES AND PERSONAL PROTECTION:

NOTE: See supplemental page or emergency procedures and additional First Aid information.

INGESTION: Ingestion is not likely.

INHALATION: Remove to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT: Soak in warm water.

EYE CONTACT: Flush with water.

PERSONNEL PROTECTION:

EYE: Chemical safety glasses or goggles

SKIN: Polyethylene gloves and/or aprons. DO NOT use cotton /cloth type gloves.

VENTILATION: Positive draft exhaust ventilation should be provided to maintain vapor concentration levels below TLV.

5. FIRE FIGHTING MEASURES:

FLASH POINT: 160 - 200 °F (method TCC)

SPECIAL FIRE FIGHTING PROCEDURES: Not available.

HAZARDOUS PRODUCTS FORMED BY FIRE

OR THERMAL DECOMP: Irritating organic vapors.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None

EXPLOSIVE LIMITS:

(% BY VOLUME IN AIR) LOWER Not available

(% BY VOLUME IN AIR) UPPER Not available

6. ACCIDENTAL RELEASE MEASURES:

If a spill or leak occurs flood area with water to polymerize (cure) the material. Soak up with an inert absorbent.

7. HANDLING AND STORAGE:

STORAGE: Store below 72 °F

HANDLING: Avoid contact with skin and eyes. Avoid breathing vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

NOTE: See supplemental page for emergency procedures and additional First Aid information.

(See section 2 for exposure limit information)

Eyes: Chemical safety glasses or goggles.

Skin: Polyethylene gloves and aprons. DO NOT use cotton or cloth materials.

Ventilation: Positive down draft exhaust ventilation should be provided to maintain vapor concentration below TVL.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear liquid

ODOR: Sharp, irritating

BOILING POINT: More than 300 °F

SOLUBILITY IN WATER Polymerized

SPECIFIC GRAVITY: 1.05 @ 75°F

VAPOR PRESSURE: Less than 0.2 mm @ 75°F

VAPOR DENSITY: 3

VOC 87.1 %; 914.55 g/l (EPA METHOD 24)

10. STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION; Will not occur
INCOMPATIBILITY: Polymerized by contact with water, alcohol, amines, and alkalis.
CONDITIONS TO AVOID: Not available
HAZARDOUS DECOMPOSITION PRODUCTS: (Non-thermal); None

11. TOXICOLOGICAL INFORMATION

Refer to section 3

12. ECOLOGICAL INFORMATION *No data available.*

13. DISPOSAL CONSIDERATIONS

RECOMMENDED METHODS OF DISPOSAL:
Polymerize as indicated in Section 6. Incinerate following EPA and local regulations
EPA Hazardous waste number: NH - Not a RCRA Hazardous Waste Material.

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)
DOMESTIC GROUND TRANSPORT
PROPER SHIPPING NAME: Unrestricted (Not more than 450 liters);
Combustible liquids, n.o.s. (Cyanoacrylate) (More than 450 liters)
HAZARD CLASS OR DIVISION: Unrestricted (Not more than 450 liters)
IDENTIFICATION NUMBER: None (not more than one pint)
NA 1993 (More than 450 liters)
MARINE POLLUTANT: None

IATA

PROPER SHIPPING NAME: Unrestricted (Not more than 1 pint)
Aviation regulated liquid, n.o.s., (Cyanoacrylate) (More than 1 pint)
CLASS OR DIVISION: Unrestricted (not more than 1 pint)
Class 9 (More than 1 pint)
UN OR ID NUMBER: None (Not more than 1 pint)
UN 3334 (More than 1 pint)

15. REGULATORY INFORMATION

CA Proposition 65: No Prop 65 Chemicals known to be present