

Revised  
January 2002



9411 Corsair Road  
Frankfort, IL 60423  
1-800-552-0299 Phone  
1-815-464-5650 Fax

**EMERGENCY PHONE 1-800-255-3924**

# MATERIAL SAFETY DATA SHEETS

## RP GEL

### CYANOACRYLATE ADHESIVE

HMIS;	HEALTH	2	FLAMMABILITY	2	REACTIVITY	1
NFPA	HEALTH	2	FIRE HAZARD	2	REACTIVITY	1

#### 1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME:  
DESCRIPTION:

**RP GEL**  
Cyanoacrylate adhesive, Instant adhesive, super glue

#### 2. COMPOSITION:

ETHYL CYANOACRYLATE:  
POLY ( METHYL METHACRYLATE)  
HYDROQUINONE

CAS #	%
7085-85-0	90-99
9011-14-7	1-10
12-31-9	0.1 -0.5

INGREDIENTS THAT HAVE EXPOSURE LIMITS:  
EXPOSURE LIMITS (TWA)  
INGREDIENTS:

ACGIH (TLV)	OSHA (PEL)	OTHER
ETHYL CYANOACRYLATE	0.2 ppm TWA	None
HYDROQUINONE	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA 4 mg/m <sup>3</sup> STEL
EXPOSURE LIMITS (STEL) ETHYL CYANOACRYLATE	(4 ppm) (18 mg/m <sup>3</sup> )	(4 ppm) (16 mg/m <sup>3</sup> )

#### 3. HAZARDS IDENTIFICATIONS:

TOXICITY:

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

PRIMARY ROUTES OF ENTRY:  
SYMPTOMS OF EXPOSURE:

Estimated oral LD 50 mor than 5,000 mg/kg  
Estimated dermal LD 50 more than 2,000 mg/kg  
None known  
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.  
None known

Existing conditions aggravated by exposure:  
TARGET ORGANS AND OTHER HEALTH EFFECTS:

Ethyl Cyanoacrylate:	Allergen, irritant, respiratory
Ploy (methyl methacrylate):	Irritant
Hydroquinone	ACGIH animal carcinogen, blood, Bone marrow, central nervous system, eye, immune system, irritant, liver, skin, mutagen, thyroid.

NTP	CARCINOGENS IARC	OSHA
No	No	No
No	N/A	No
No	N/A	No

#### 4. FIRST AID MEASURES AND PERSONAL PROTECTION:

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

INGESTION:  
INHALATION:

Ingestion is not likely.  
Remove to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT:  
EYE CONTACT:

Soak in warm water.  
Flush with water.



# MATERIAL SAFETY DATA SHEETS

## RP GEL CYANOACRYLATE ADHESIVE



**PERSONNEL PROTECTION:**

**EYE:**  
**SKIN:**

Chemical safety glasses or goggles  
Polyethylene gloves and/or aprons. **DO NOT** use cotton /cloth type gloves.  
Positive draft exhaust ventilation should be provided to maintain vapor concentration levels below TLV.

**VENTILATION:**

**5. FIRE FIGHTING MEASURES:**

**FLASH POINT:**  
**EXTINGUISHING AGENTS:**  
**SPECIAL FIRE FIGHTING PROCEDURES:**  
**HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP:**  
**UNUSUAL FIRE OR EXPLOSION HAZARDS:**  
**EXPLOSIVE LIMITS:**  
**(% BY VOLUME IN AIR) LOWER**  
**(% BY VOLUME IN AIR) UPPER**

160 - 200 °F (method TCC)  
Carbon dioxide, foam, dry chemical.  
  
Not available.  
  
Irritating organic vapors.  
  
None  
  
Not available  
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:**  
**HANDLING:**

Store below 72 °F  
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:**  
**Skin:**  
  
**Ventilation:**

Chemical safety glasses or goggles.  
Polyethylene gloves and aprons. **DO NOT** use cotton or cloth materials.  
Positive down draft exhaust ventilation should be provided to maintain vapor concentration below TVL.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

**APPEARANCE:**  
**ODOR:**  
**BOILING POINT:**  
**SOLUBILITY IN WATER**  
**SPECIFIC GRAVITY:**  
**VAPOR PRESSURE:**  
**VAPOR DENSITY:**  
**VOC**

Clear liquid  
Sharp, irritating  
More than 300 °F  
Polymerized  
1.05 @ 75°F  
Less than 0.2 mm @ 75°F  
3  
87.1 %; 914.55 g/l (EPA METHOD 24)

**10. STABILITY AND REACTIVITY:**

**STABILITY:**  
**HAZARDOUS POLYMERIZATION;**  
**INCOMPATIBILITY:**  
**CONDITIONS TO AVOID:**  
**HAZARDOUS DECOMPOSITION PRODUCTS;**

Stable  
  
Will not occur  
Polymerized by contact with water, alcohol, amines, alkalies.  
Not available  
  
(Non-thermal); None

**11. TOXICOLOGICAL INFORMATION:**

Refer to section 3



**MATERIAL SAFETY DATA SHEETS**  
**RP GEL**  
**CYANOACRYLATE ADHESIVE**



**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)  
 Unrestricted (Not more than 450 liters)  
 None (not more than one pint)  
 NA 1993 (More than 450 liters)  
 None

HAZARD CLASS OR DIVISION:  
 IDENTIFICATION NUMBER:

MARINE POLLUTANT:

IATA  
 PROPER SHIPPING NAME:

Unrestricted (Not more than 1 pint)  
 Aviation regulated liquid, n.o.s., (Cyanoacrylate)  
 (More than 1 pint)

CLASS OR DIVISION:

UN OR ID NUMBER:

Unrestricted ( not more than 1 pint)  
 Class 9 (More than 1 pint)  
 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

**Engineering Excellence**

For technical information  
 and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**