

# Material Safety Data Sheet

## HT1500 – High Temp Cyanoacrylate Adhesive

### ADHESIVE®



TELEPHONE 715-832-4557

#### 1. Product Identification

**Product Name** HT1500  
**Product** High Temp Cyanoacrylate Adhesive

#### 2. Composition

Ingredients	CAS#	WT%
Ethyl Cyanoacrylate	7085-85-0	90-99
Poly Methyl Methacrylate	9011-14-7	1-10
Proprietary Additive	Proprietary	4-6
Hydroquinone	12-31-9	.1-1.0

#### Ingredients that Have Exposure Limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	Other
Ethyl Cyanoacrylate	0.2 ppmTWA	None	None
Hydroquinone	2mg/m(TWA)	2mg/m3TWA	2mg/m3TWA 4mg/m3STEL
<b>Exposure Limits (STEL)</b> Ethyl Cyanoacrylate	(4ppm) (18mg/m3)	(4ppm) (16mg/m3)	

#### 3. Hazards Identification

**Toxicity** Skin contact may cause burns. Bonds skin rapidly.  
 Skin and eye irritant.  
 Estimated oral LD more than 5,000mg/kg.  
 Estimated dermal LD 50 more than 2,000mg/kg.

**Primary Routes of Entry** None known

**Symptoms of Exposure** Vapor is irritating to the 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

		NTP	Carcinogens IARC	OSHA
<b>Methyl Cyanoacrylate</b>	Allergen, irritant, respiratory	No	No	No
<b>Poly (methyl Methacrylate)</b>	Irritant	No	N/A	No
<b>Hydroquinone</b>	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)

**Extinguishing Agents** Carbon dioxide, foam, dry chemical.

#### Special Fire Fighting

**Procedures** Not available.

**Hazardous Products Formed by Fire or Thermal Decomp** Irritating organic vapors.

**Unusual Fire or Explosion Hazards** None

## 5. Fire Fighting Measures (cont.)

### 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 and additional First Aid information.  
(see number 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 .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, alkalis.  
**Conditions to Avoid** Not available  
**Hazardous Decomposition Products** (Non-thermal); None

## 11. Toxicological Information

Refer to number 3.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

**Recommended methods of disposal** Polymerize as indicated in number 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.(Cyanoacrylates) (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

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