



MATERIAL SAFETY DATA SHEETS

M745-1005 CYANOACRYLATE ADHESIVE

Date: 3/03

HMIS: HEALTH 2 FLAMMABILITY 2 REACTIVITY 1

NFPA: HEALTH 2 FIRE HAZARD 2 REACTIVITY 1

1. CHEMICAL PRODUCT IDENTIFICATION:

DESCRIPTION: Cyanoacrylate adhesive. Instant adhesive, super glue

Supplier: RPM, WFG. 3194 Hickory Blvd. Hudson, NC 28638 Phone: 828-728-8266

2. COMPOSITION:

	CAS#	%
EHTYL CYANOACRYLATE	7085-85-0	80-95
POLY (METHYL METHACRYLATE)	9011-14-7	1-10
HYDROQUINONE	123-31-9	0.1-0.5

INGREDIENTS THAT HAVE EXPOSURE LIMITS:

	ACGIH (TLV)	OSHA (PEL)	OTHER
EXPOSURE LIMITS (TWA)			
INGREDIENTS:			
ETHYL CYANOACRYLATE	0.2 ppm TWA	NONE	NONE
HYDROQUINONE	2 mg/m ³ TWA	2 mg/m ³ TWA	2mg/m ³ TWA 4mg/m ³ STEL
EXPOSURE LIMITS (STEL)			
ETHYL CYANOACRYLATE	(4ppm) (18 mg/m ³)	(4ppm) (16mg/m ³)	

3. HAZARDS IDENTIFICATIONS:

TOXICITY: Skin contact may cause burns
Bonds skin rapidly
Skin and eye irritant
Estimated oral LD 50 more 5,000 mg/kg
Estimated dermal LD 50 more man 2,000 mg/kg

PRIMARY ROUTES OF ENTRY: None known
SYMPTOMS OF EXPOSURE: Vapors are irritating to mucous membranes when above the TLV. Prolonged and repeated exposure 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

	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Ethyl Cyanoacrylate:			
Allergen, irritant, respiratory	No	No	No
Poly (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 supplement 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

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 supplement page or 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 TLV.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear liquid
ODOR: Slightly pungent
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, alkalies.
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 (49CFR172)
DOMESTIC GROUND TRANSPORT

PROPER SHIPPING NAME: Unrestricted
HAZARD CLASS OR DIVISION: Unrestricted
IDENTIFICATION NUMBER: None
MARINE POLLUTANT: None
IATA
PROPER SHIPPING NAME: Unrestricted

CLASS OR DIVISION: Unrestricted

UN or ID NUMBER: None

15. REGULATORY INFORMATION:

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

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.