

















#### MATERIAL SAFETY DATA SHEETS

M745-1005, M745-1241, M745-1242, M745-1243, M745-1300, M745-1410, M745-1430, & M745-1500 CYANOACRYLATE ADHESIVE

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

RPM, WFG.

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

# 2. COMPOSITION:

CAS# %
EHTYL CYANOACRYLATE 7085-85-0 90-99
POLY (METHYL METHACRYLATE) 9011-14-7 1-10
HYDROQUINONE 12-31-9 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/m3 TWA 2 mg/m3 TWA 2mg/m3 TWA 4mg/m3 STEL

EXPOSURE LIMITS (STEL)

(4ppm) (4ppm) (4ppm) ETHYL CYANOACRYLATE (18 mg/m3) (16mg/m')

### 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



# Instructions

Ethyl Cyanoacrylate:

Allergen, irritant, respiratory

Poly (methyl methacrylate):

Irritant

Hydroquinone

ACGIH animal carcinogen, blood, bone marrow, central nervous system, eye, immune system, irritant, liver, skin, mutagen, thyroid.

4. FIRST AID MEASURES AND PERSONAL PROTECTION:

NTP

No

No

IARC

No

N/A

OSHA

No

No

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

INGESTION: Ingestion is not likely.

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

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 venlilalion should be provided to

maintain vapor concentration levels below TLV.

5. FIRE FIGHTING MEASURES:

FLASH POINT:  $160 - 200^{\circ}F$  (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:

Not available (% BY VOLUME IN AIR) LOWER: (% 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.

Eyes: Chemical safety glasses or goggles.



# Instructions

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: 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 PRESSURE: Le VAPOR DENSITY: 3

VOC 87.1 %; 914.55 g/1 (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 OP DISPOSAL:

Polymerize as indicated in Section 6, Incinerate following EFA 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 (Not more than 450 liters);

Combustible liquids, n.o.s, (Cyanoacrylafe) (More

the 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



# Instructions

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

Date: 8/99

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