



PT-02 ARROW-GRIP ADHESIVE

Written by Super User. Posted in [MSDS SHEETS](#)

SECTION I - PRODUCT IDENTIFICATION

Product Name: **PT-02 ARROW-GRIP ADHESIVE**

Revision: 12/08/03

SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

INGREDIENT CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	CAS NUMBER
Ethyl-2- Cyanoacrylate	NE	NE	0.2ppm TWA	7085- 85-0
Poly (Methyl Methacrylate)	NE	NE	N/A	9011- 14-7
Hydroquinone	2mg/m3	2mg/m3	N/A	123-31-9

SECTION III - PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

BOILING POINT: 365°F

SPECIFIC GRAVITY (H2O=1): 1.05

VAPOR PRESSURE (mm Hg): 1 @ 20°C **MELTING POINT:** NE

VAPOR DENSITY (AIR = 1): Nil-NE

EVAPORATION RATE (Butyl Acetate = 1): Nil-NE

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Transparent water-white to straw colored liquid with stimulative odor.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 185°F

FLAMMABLE LIMITS NE

EXTINGUISHING MEDIA: WATER FOG STANDARD FOAM CO₂
 DRY CHEMICAL HALON

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Combustible requiring the above procedures.

SPECIAL PRECAUTIONARY STATEMENTS: Fumes may be irritating if not burning and require air supply with goggles while applying large amounts of water or dry chemical extinguisher.

SECTION V: REACTIVITY DATA

STABILITY: Stable Unstable

Incompatibility : Polymerized by water, alcohol, amines, alkaline material and direct UV.

Hazardous Decomposition: Combustible by-products of carbon monoxide/dioxide.

HAZARDOUS POLYMERIZATION: May Occur Will not occur

Conditions to Avoid: Excessive heat above 176°F, moisture and alkalines. Stable up to 122°F. Store in a cool dry place.

SECTION VI: HEALTH HAZARD DATA

ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)

INGESTION: N/A

EYES: Irritates eyes, mucous membranes.

INHALATION: Yes

SKIN: No

EMERGENCY AND FIRST AID PROCEDURES

- INGESTION:** Lips may become stick together: apply copious amounts of warm water and encourage wetting/pressure from saliva inside mouth. Peel or roll (do not pull) lips apart. It is almost impossible to swallow cyanoacrylate as adhesive solidifies upon contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days, avoid swallowing adhesive after detachment.
- EYES:** Tearing from eye irritation. Remove to fresh air. Flush areas of contact with water. Adhesive will disassociate from eye/eyelids over time, usually within several hours. Temporary weeping of eyes/double vision may be experienced until clearance is achieved.
- INHALATION:** Irritation of mucous membranes/coughing. Remove to fresh air. Prolonged or repeated exposure at elevated levels may produce allergic reactions with asthma-like symptoms in sensitive individuals.
- SKIN:** Immerse bonded areas in warm, soapy water. Peel or roll skin apart. Remove cured adhesive with several applications of warm, soapy water. Prolonged or repeated contact at elevated levels may cause dermatitis in sensitive individuals.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE**

LARGE AMOUNTS ARE RELEASED: Polymerize with water. Solid material may be scraped from surface.

WASTE DISPOSAL METHOD: Incinerate solid combustible waste or dump as chemical waste according to local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid moisture, direct UV-sunlight and do not store above 25°C. Keep containers closed tightly when not in use. Ideal storage: 5-10°C.

OTHER PRECAUTIONS: Avoid breathing vapor, contact with eyes/skin. Allow product to reach room temperature before use.

SECTION VIII: CONTROL MEASURES

RESPIRATORY PROTECTION: A NIOSH-approved organic vapor canister may be used to maintain vapor concentration below TLV.

VENTILATION: To maintain vapor concentration below TLV.

LOCAL EXHAUST:	To maintain vapor concentration below TLV.
PROTECTIVE GLOVES:	Vinyl (polyethylene) non-sticking gloves, rubber apron to protect clothing.
EYE PROTECTION:	Safety glasses with side shield.

SECTION IX: SPECIAL PRECAUTIONS

HEALTH: 2	<u>HAZARD RATING KEY</u>
FLAMMABILITY: 1	0 = MINIMAL
REACTIVITY: 1	1 = SLIGHT
PERSONAL PROTECTION:	2 = MODERATE
	3 = SERIOUS
	4 = SEVERE
	* = CHRONIC HEALTH EFFECTS

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