

SECTION I - PRODUCT IDENTIFICATION

Product Name: HP-500 FLEX GRIP

Revision: 07/28/00

SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

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

SECTION III – PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

BOILING POINT: 149°F	SPECIFIC GRAVITY (H₂O=1): 1.06
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, material reacts to hardened mass for non-hazardous waste.	APPEARANCE AND ODOR: Transparent water-white to straw colored liquid with stimulative odor.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 176°F
FLAMMABLE LIMITS LEL: NE UEL: 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 burning and require air.

SECTION V: REACTIVITY DATA

STABILITY: Stable Unstable
Incompatibility : Polymerized by water, alcohol, amines, alkaline materials and direct UV.
Hazardous Decomposition: Combustible by-products of carbon monoxide/dioxide.
HAZARDOUS POLYMERIZATION: May Occur Will not occur
Conditions to Avoid: N/A

SECTION VI: HEALTH HAZARD DATA

ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)

INGESTION: LD50=12.2cc/kg
EYES: Irritates eyes, mucous membranes.
INHALATION: Yes
SKIN: No

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: Lips may become stuck together: apply copious amounts of warm water & 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 & may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days, avoid swallowing adhesive after detachment.
EYES: Tearing from eye irritating. 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/

INHALATION: double vision may be experienced until clearance is achieved. Irritation of mucous membranes/coughing. Remove to fresh air. Prolonged or repeated exposure 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 may cause dermatitis in sensitive individuals.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE LARGE AMOUNTS ARE RELEASED: Polymerized 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.

OTHER PRECAUTIONS: Avoid breathing vapor, contact with eyes/skin. Do not store at -5°C which freezes product to useless state. Product not damaged by freezing.

SECTION VIII: CONTROL MEASURES

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

VENTILATION: Local exhaust: To maintain vapor concentrations below TLV.

LOCAL EXHAUST: N/A

PROTECTIVE GLOVES: Vinyl (polyethylene) non-sticking gloves, rubber apron to protect clothing.

EYE PROTECTION: Safety glasses with side shields.

SECTION IX: SPECIAL PRECAUTIONS

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

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