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Material Safety Data Sheet

Emergency Phone:
800-255-3924
Chemtel
Non-emergency Phone: 800-323-5350

Date 03/01/2003

PRODUCT NAME:
Cyanoacrylate Adhesive
TRADE NAME:
Bond Aid@CE-280

CHEMICAL TYPE:
Cyanoacrylate Ester
Ingredients/Identity Information

	CAS #	%
Ethyl-2 Cyanoacrylate	7085-85-0	80-90
Poly Methyl Methacrylate	9011-14-7	5-10

ACGIH TLV: 0.2ppm OSHA-PEL: non established
OSHA STEL: None Established

Properties Data

Boiling point: >150-200F
Specific Gravity: 1.09 Vapor Pressure: <0.2mmHg/20C
Vapor Density: approx 3 (air=1)
Evaporation Rate: N/A Solubility in Water: negligible: Polymerization in Water
Appearance and Odor: Clear Liquid, sharp odor

Explosion Data

FLASH POINT: about 80C

METHOD USED: Tag closed cup

EXTINGUISHING MEDIA: WATER, FOAM, CO2, DRY CHEMICAL

SPECIAL FIR FIGHTING PROCEDURES:

Use self-contained breathing apparatus and protective clothing

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: The vapor exceeding flash point may cause combustion when exposed to flame.

REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: Heat and Light

INCOMPATIBILITY(MATERIAL TO AVOID)

Water, Basic materials, alcohols, amnes and alkalis

HAZARDOUS POLYMERIZATIONS: WILL NOT OCCUR

HEALTH HAZARD INFORMATION

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapors may cause lung irritation. Avoid prolonged inhalation

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Warning! Cyanoacrylates may bond eyelid to eyelid and/or eye. A large drop may cause a burn upon solidification.

INGESTION HEALTH RISKS: Caution! It is almost impossible to swallow cyanoacrylates. The adhesive solidifies and adheres in the mouth. The lips may be stuck together. No carcinogenicity, mutagenicity or teratogenicity are known.

CHRONIC EFFECTS OF EXPOSURE:

No effects of chronic exposure or target organ effects are known. No exposure limits have been established for this product as formulated.

EMERGENCY AND FIRST AIDE PROCEDURES

Eye-flush with lukewarm or tepid water for at least 15 minutes. Call a physician immediately.

Skin- Immerse bonded surfaces in warm soapy water. Do not force separation.

Inhalation- remove to fresh air

INGESTION- Saliva should lift the adhesive in 12-48 hours. Do not force removal. Do not swallow adhesive when it loosens. If lips are bonded, apply plenty of warm water. Use maximum wetting and pressure from saliva inside mouth. Peel or roll lips apart gently. Call a physician.

LEAK PROCEDURES

Spill procedures: Flood area with water to cure (Harden) cyanoacrylate adhesive and to control product vapors. Scrape up cured product.

Disposal Procedures: This product, if disposed as shipped, is not hazardous waste as specified in 40CFR 261. Dispose of in an approved landfill in accordance to state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from heat and sunlight. Keep container tightly closed when not in use. Store in dry location.

This product and/or all of it's components are registered as required by TSCA.

PROTECTIVE EQUIPMENT

VENTILATION

Use in well ventilated area. Local exhaust ventilation is recommended to maintain vapor level below TLV.

RESPIRATORY PROTECTION: not applicable w/ good local exhaust

PROTECTIVE GLOVES

Impermeable

EYE PROTECTION

Goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Wear protective clothing

OTHER

Hazard	NFPA Hazard Code®	HMIS hazard Code®
Health	2	2
Fire	2	2
Reactivity	1	1
Specific hazard	No water	Personal protection: see above; protective equipment

TRANSPORTATION

Domestic Ground Transport:

Domestic Ground Transport:

Proper shipping name: Unrestricted (less than 450 liters)
Combustible liquid n.o.s. (> 450 liters)

Hazard class or division Unrestricted (less than 450 liters)
Combustible liquid n.o.s. (> 450 liters)

Identification number: None (less than 450 liters)
N/A 1993 (> 450 liters)

DISCLAIMER

The data, statements and recommendations (shown for information only) are based on tests which are believed to be reliable. Since we have no control over the end use of our product, we cannot guarantee the end results. We suggest the user determine whether the product is suitable for his own production conditions.