



Material Safety Data Sheet

Issue Date: 2010/03/16

Document Number: 01-216-533

Material/Trade Name: E1435

1- Identification of the Preparation and Company*

Material/Trade Name : E1435
Material type : Cyanoacrylate
Company : ELITE (HK)CO.,LTD
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2- Composition/Information on Ingredient:

Substance	CAS No.	Wt.%
Ethyl Cyanoacrylate	7085-85-0	70-100%

3- Hazard(s) identification

- 3.1 Toxicity: Stick to the skin immediately, Irritation of the eyes and respiratory system. Flammable.
The estimated oral victimization limits LD50 more than 5,000 mg / kg.
The estimated skin victimization limits LD50 more than 2,000 mg / kg.
- 3.2 Main Pathways: Inhalation, Eye and Contact.
- 3.3 Signs and Symptoms:
- 3.3.1 Inhalation: Inhalation of excessive gas, can irritate the respiratory system, may cause difficulty in breathing and chest tightness produce.
- 3.3.2 Contact with the skin: You can stick to the skin immediately may cause skin irritation and can cause skin allergies, but not common. Can burn the skin. Cured harmless.
- 3.3.3 Eye contact: Irritation of the eyes, eyelids stuck, a lot of tears.
- 3.3.4 Intake: impossible, can quickly stick to the mouth.
- 3.4 Continuous exposure: Cause respiratory system, skin and eye discomfort.

4-First Aid Measures:

- Ingestion:** Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Saliva will separate the solidified product from the mouth over a period of hours. Seek medical attention.
- Inhalation:** Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention



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Skin: Do not pull bonded skin apart. Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. Any bonded skin should be gently peeled apart with the aid of a blunt object, preferably after soaking in warm, soapy water. If irritation persists, obtain medical attention. In the case of large spills on skin, superficial burns may occur-treat accordingly.

Eyes: Cyanoacrylates bond eyelids in seconds. Irrigate thoroughly with water for at least 15 minutes. Take care not to wash chemical from one eye to another. If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Get prompt medical attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage. Keep eye covered with wet pad until debonding is complete, usually 1-3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids deboning).

5- Fire Fighting Measures:

Flash Point: Above 65°C to 93°C, Tag Closed Cup

Ignition Temperature: 485° C

Upper Explosive Limit: None

Lower Explosive Limit: None

Special Hazardous: None

Extinguishing Agent: Carbon dioxide, foam, dry powder fire extinguishers.

Special Fire Fighting Procedures and Equipment:

Fight fires involving chemicals, SCBA and protective clothing should be worn.

Hazardous combustion products:

Combustion or thermal decomposition will produce a very small amount of toxic gases and irritating fumes.

Unsuitable Extinguishers: Undetermined

6-Accidental Release Measures

Steps to be taken in case of spill or leakage:

Do not wipe clean with a rag. With a large amount of water to make it completely polymerized, and then scrape off the polymer can be throwing away as a non-hazardous waste.

Poured into the water supply and drainage equipment, to avoid overflow, keep the environment ventilated.



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7- Handling and Storage:

Handling: Avoid contact with skin and eyes. Avoid inhalation of its vapor. Good industrial hygiene measures. Please wash after handling, especially in eating or smoking before. Avoid contact with the cloth products, paper products. Keep away from the water, away from heat, sparks and flame.

Storage: Refrigerated storage (2-27° C) is recommended to achieve optimum shelf-life. Store in tightly closed, labeled containers. Keep away from high temperatures and sources of ignition. Storage keeps away from water and moisture.

8- Personal Protection:

Eye protection: Safety glasses or goggles with side shields.

Skin: Neoprene or non-reactive gloves. Do not use nylon, PVC or cotton.

Respiratory protection: Use respiratory protective equipment, unless there is adequate local exhaust ventilation equipment.

Engineering controls: If the general ventilation facilities cannot drop the concentration of gas below to the provisions limits, then use the forced ventilation.

9- Physical and chemical properties

Color: Clear Liquid
Odor: Low
PH: Not available
Solubility in water: Polymerize with water
Specific Gravity: 1.10 @ 25°C
Vapor Pressure: <0.02mmHg @ 27°C
Vapor Density: About 3
Evaporation Rate (Ether=1): Not Available
Boiling Point: >150°F
Melting Point: No Date
Separation Coefficient: Not Available
VOC: <2%
Viscosity: 100-150 cps

10- Stability and Reactivity

Stability: Stable in the recommended stored environment.

Hazardous Polymerization: Will occur rapid polymerization and exothermic in the water, amines, alkalis and alcohols.



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Incompatibility: Water, amines, strong alkali and alcohols.

Conditions to avoid: Polymerization spontaneously

Hazardous decomposition products: None

11- Toxicological information

Health Hazard: See the section 3.

Sensitisation: Possibility, but only few

Mutagenicity: Unknown

Reproductive Toxicity: Unknown

Carcinogenicity: None

Other Health Hazard Information: No suitable date

12- Ecological information

Environmental impact and Distribution: No Date

Environmental impact: No Date

Bioaccumulation: None

13- Disposal Considerations

Recommended processing method:

The waste disposal can be carried out in accordance with the EPA or local regulations. Not a RCRA hazardous waste.

14- Transport information

Transport information: According to the local laws.

15- Regulatory information

Regulations: According the safety regulations which use of chemicals of the government or local workplace.

16- Other Information

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