



Material Safety Data Sheet

Issue Date:2010/03/16

Document Number:01-216-526

Material/Trade Name: E1480

1- Identification of the Preparation and Company*

Material/Trade Name : E1480
Material type : Ethyl Cyanoacrylate adhesives
Company : ELITE (HK)CO.,LTD
Address : Unit 04 7/F,Bright Way Tower, No 33 Mong Kok Road,Kowloon,Hong kong
Factory Add : Unit 01 5/f , mengchong part , gangxi road , dashi street , panyu district ,
Guangzhou,China
Telephone : +86-20-34788001
Fax Number : +86-20-34783204
Emergency Telephone : +86-20-34788001

2- Composition/Information on Ingredients:

Substance	%Wt.
Cyanoacrylate	70-100%
Carbon black	1-5%

3- Physical / Chemical Properties

Physical state: liquid
Color: black
Viscosity (mPa s.) 500-800 CPS

4- Hazard(s) identification

4.1 Toxicity: Bonds skin and eyes in seconds. Irritation of the eyes and respiratory system.
Flammable.

Oral - Expected victims of the limits - LD50 likely to be >5,000mg/kg.

Skin- Expected victims of the limits - LD50 likely to be >5,000mg/kg.

4.2 Primary routes of Entry: Skin, Inhalation, Eye Contact

4.3 Signs of exposure:

4.3.1 Inhalation: If inhalation of excessive gas, may irritate the respiratory system, will cause difficulty in breathing and chest tightness.

4.3.2 Skin contact: Bonds skin in seconds, will cause irritate in skin or cause skin allergies, but not common. May burn the skin. Harmless after harmless.

4.3.3 Eye contact: Irritation of the eyes , may bond the eyelids and produce a lot of tears.

4.3.4 Ingestion: Will not occur, the product will polymerize immediately in the mouth

4.4 Continuous exposure: May cause discomfort to respiratory system, skin and eye.



Material Safety Data Sheet

Issue Date:2010/03/16

Document Number:01-216-526

Material/Trade Name: E1480

5-First Aid Measures:

- 5.1 Inhalation: 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.
- 5.2 Inhalation: Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention.
- 5.3 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.
- 5.4 Eyes: Cyanocrylates 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. (Cyanocrylate will bond to eye protein, causing a lachrymatory effect that aids debonding).

6- Fire Fighting Measures:

- 6.1 Flash Point: Above 65°C to 93°C, Tag Closed Cup
- 6.2 Ignition Temperature: 485° C
- 6.3 Upper Explosive Limit: None
- 6.4 Minimum Explosive Limit: None
- 6.5 Special Hazardous: None
- 6.6 Extinguishing Media: Carbon Dioxide, Foam or Dry powder
- 6.7 Special Procedures and Equipment: Use approved self-contained breathing apparatus.
Wear fire retardant clothing.
- 6.8 Hazardous Decomposition: Combustion or thermal decomposition will produce irritating organic vapors .
- 6.9 Unsuitable Extinguishers: Undetermined



Material Safety Data Sheet

Issue Date:2010/03/16

Document Number:01-216-526

Material/Trade Name: E1480

7-Accidental Release Measures

- 7.1 Steps to be taken in case of spill or leak: Absorb in inert material such as sand or absorbent granules (do not use cloths) or polymerize slowly with water and then scrape up.
Avoid overflow when poured into the drainage and keeping ventilation.

8- Handling and Storage:

- 8.1 Handling: Avoid skin and eye contact. Avoid excessive inhalation of vapor. Must clean after operating, especially before eating or smoking.
Avoid contact with paper products and cloth products.
Keep away from water , lights and blaze.
- 8.2 Storage: Refrigerated storage (2-28° C) is recommended to achieve optimum shelf-life.
Store in tightly closed.
Keep away from high temperatures and sources of ignition.
Storage keep away from water and moisture.

9- Personal Protection:

- 9.1 Eye protection: Safety glasses or goggles with side shields.
- 9.2 Skin protection: Neoprene or non reactive gloves. Do not use nylon, PVC or cotton.
- 9.3 Respiratory protection: Use respiratory protective equipment, unless there is adequate local exhaust ventilation equipment.
- 9.4 Engineering controls: If the general ventilation facilities can not drops the concentration of gas below to the provisions limits, then use the forced ventilation.

10- Physical and chemical properties

- 10.1 Color: Black Liquid
- 10.2 Odor: Low
- 10.3 PH: Not available
- 10.4 Solubility in water: Polymerize with water
- 10.5 Specific Gravity: 1.05 @ 25°C
- 10.6 Vapor Pressure: <0.02mmHg @ 27°C
- 10.7 Vapor Density: About 3
- 10.8 Evaporation Rate:
(Ether=1): Not Available
- 10.9 Boiling Point: <150°C



Material Safety Data Sheet

Issue Date:2010/03/16

Document Number:01-216-526

Material/Trade Name: E1480

10.10 Melting Point: No Date
10.11 Separation Coefficient: Not Available
10.12 VOC: <2%
10.13 Viscosity: 500-800cps

11- Stability and Reactivity

11.1 Stability: Stable in the recommended stored environment.
11.2 Hazardous Polymerization: Will occur rapid polymerization and exothermic in the water, amines, alkalis and alcohols.
11.3 Incompatibility: Water, amines, strong alkalis and alcohols.
11.4 Conditions to avoid: Polymerization spontaneously
11.5 Hazardous decomposition products: None

12- Toxicological information

12.1 Health Hazard: See the section 3.
12.2 Sensitisation: Possibility, but only few
12.3 Mutagenicity: Unknown
12.4 Reproductive Toxicity: Unknown
12.5 Carcinogenicity: None
12.6 Other Health Hazard Information: No suitable date

13- Ecological information

13.1 Environmental impact and Distribution: No Date
13.2 Environmental impact: No Date
13.3 Bioaccumulation: None

14- Disposal Considerations

14.1 Recommended processing method:
Burning by EPA and the local regulation.
Not belong to the RCRA Hazardous Waste.

15- Transport information

15.1 Ground Transport:
15.1.1 Transport name: Flammable liquid, n.o.s (Cyanoacrylate ester)
15.1.2 Hazard Class: 3



Material Safety Data Sheet

Issue Date:2010/03/16

Document Number:01-216-526

Material/Trade Name: E1480

15.1.3 Identification Number:	NA1993
15.1.4 Packing Group:	None
15.1.5 Exceptions:	(within 450L) unrestricted
15.1.6 Marine pollutant:	No
15.2 International air transport	
15.2.1 Transport name:	Aviation Regulated Liquid, n. o.s. (cyanoacrylate ester)
15.2.2 Hazard Class:	9
15.2.3 Identification Number:	UN3344
15.2.4 Packing Group:	III
15.2.5 Exceptions:	(within 500ML) unrestricted
15.3 Water transport	
15.3.1 Shipping name:	Unrestricted
15.3.2 Hazard Class:	No
15.3.3 Identification Number :	No
15.3.4 Packing Group :	No
15.3.5 Exceptions :	No

16- Regulatory information

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

17- Other Information

The information contained in this safety data sheet was obtained from a variety of sources and is believed to be accurate and current at the stated issue date. ELITE(HK)CO.,LTD. and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper use of the product.