



HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

MATERIAL SAFETY DATA SHEET

Prepared by Duro Dyne December 12, 2012

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: DURO DYNE FCA
Product Identifier: FLEXMASTIC ADHESIVE
Item #: 5090
Supplier Details: DURO DYNE CORPORATION
81 Spence Street
Bay Shore, NY 11706

Information

Phone No: 800-899-3876
Emergency Phone No: 800-424-9300 (CHEMTREC)

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	EINECS NO.	%	ACGIH TLV	OSHA PEL TWA	OTHER
ETHYL CYANOACRYLATE	7085-85-0	230-391-5	80-100	0.2PPM TWA	NONE	NONE

3. PHYSICAL/CHEMICAL CHARACTERISTICS:

Appearance and Odor: Clear liquid, acrid odor.
Solubility in Water: Polymerizes.
VOC Coefficient: <3%
Boiling Point: >300°F
Melting Point: Not determined.
Evaporation Rate: Not available.
Specific Gravity: 1.05 – 1.08
Vapor Pressure: <0.2 mm Hg.
Auto Ignition Temp. 905°F

4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag Closed Cup): 176°F - 200°F
Extinguishing Media: Dry Powder, foam, carbon dioxide.
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus.
Hazardous Combustion Product: Trace amounts of toxic and/or irritating fumes may be released.
Unusual Fire and Explosion Hazards: None.

5. REACTIVITY DATA

Stability:	Stable under recommended storage conditions.
Incompatible Materials to Avoid:	Water, amines, alkalis and alcohol.
Hazardous Polymerization:	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
Hazardous Decomposition Products:	None.
Conditions to Avoid:	Spontaneous polymerization

6. FIRST AID MEASURES

Routes of Entry:	Inhalation, skin, eyes.
Inhalation:	Remove to fresh air.
Skin Contact:	Soak in warm water, do not pull apart. May gently pry apart. Cyanocrylates give off heat on solidification and in rare cases; a large drop can generate enough heat to cause a burn. Burns should be treated normally after adhesive is removed. If lips are stuck together, use saliva inside the mouth to provide maximum wetting and gently roll apart.
Ingestion:	Ensure that breathing passages are unobstructed. The product will polymerize immediately in the mouth making it impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
Eye Contact:	If eye is bonded closed, release eyelashes with warm water by covering with wet pad. Product will bond to eye protein causing lachrymatory effect, which will help debond material. Keep eye covered with wet, warm pads 1-3 days until debonding is complete. Do not force eye open. Seek medical attention if solids are trapped behind the eyelid.

7. TOXICOLOGICAL INFORMATION

Inhalation:	Vapors irritating to respiratory system and eyes in dry atmospheres. Prolonged exposure to high concentration may lead to chronic effects in sensitive individuals.
Skin:	Irritating to the skin. Bonds skin seconds. Considered to be of low toxicity: acute dermal in LD50 rabbit >2000mg/kg. Due to polymerization at the skin surface, allergic reaction is unlikely to occur.
Ingestion:	Cyanoacrylates are considered to have low toxicity. Acute oral LD50 is >5000mg/kg (rat). It is almost impossible to swallow as it polymerizes instantly in the mouth.

Eyes: Irritant to the eyes. Liquid product will bond eyelids. In dry atmospheres (RH<50%), vapors may cause irritation and lachrymatory effect.

8. ACCIDENTIAL SPILL / RELEASE MEASURE

Release / Spill Response: Ventilate area and prevent product from entering waterways. Flush area with copious amounts of cool water. Allow hardening and breaking up and disposing of according to local regulations. Cured material can be disposed of as non-hazardous waste. Do not use cloths for mopping up.

9. SAFE HANDLING AND STORAGE

Safe Handling: Ventilation is recommended when using large volumes. Avoid skin and eye contact. Material should be handled in a cool, dry area. Use polyethylene or polypropylene gloves when handling large volumes. DO NOT USE PVC, rubber, nylon or cotton gloves. Eye protection should be used any time there is a risk of splattering.

Safe Storage: Material should be handled in a cool, dry area. Containers should be kept tightly closed. Avoid storage in sunlight. For maximum shelf life, store material in original containers and keep refrigerated (36° - 46°F).

10. ECOTOXICITY

Ecotoxicity Effects: Biodegradable product of low ecotoxicity. Biological and Chemical Demands (BOD and COD) are insignificant. Not a water pollutant.

11. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Cured material can be disposed of as non-hazardous. Do not use cloths for mopping up.

12. ECOLOGICAL INFORMATION

No information.

13. TRANSPORT INFORMATION

Land Transport (USDOT)

Proper Shipping Name: Combustible liquid n.o.s. (Cyanoacrylate ester).
Hazard Class or Division: Combustible liquid.
Identification Number: None.

Packing Group: Unrestricted (not more than 450 Liters).

Sea Transportation (IMDG)

Proper Shipping Name: Unrestricted.
Hazard Class or Division: None.
Identification Number: None.
Packing Group: None.

Air Transportation (IATA/ICAO)

Proper Shipping Name: Aviation regulated liquids n.o.s. (Cyanoacrylate ester).
Hazard Class or Division: 9
Identification Number: UN 3334
Packing Group: None.
Exceptions: Primary packs <500 ml are unregulated and may be shipped as unrestricted.

14. EXPOSURE CONTROLS / PERSONAL PROTECTION

No information.

15. REAGULATORY INFORMATION

Carcinogenicity: NTP: None
IARC Monographs: No
OSHA Regulated: No

16. OTHER INFORMATION

Hazard Rating: Health: 0
Flammability: 0
Reactivity: 0

Date MSDS Prepared: September 1, 2011

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