

High Viscosity DERMABOND®

Identity: High Viscosity DERMABOND® Topical Skin Adhesive
Issue Date: August 6, 2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Closure Medical Corporation
5250 Greens Dairy Road
Raleigh, NC 27616

EMERGENCY TELEPHONE NUMBER

DOMESTIC NORTH AMERICA (Chemtec) 800-424-9300 (ref E239)
INTERNATIONAL (Chemtec) 703-527-3887 (collect calls accepted)

PRODUCT NAME: High Viscosity DERMABOND® Topical Skin Adhesive
CHEMICAL NAME: Formulated 2-octyl cyanoacrylate
CHEMICAL FAMILY: α -cyanoacrylate acid esters

2. COMPOSITION/INFORMATION ON INGREDIENTS

2-octyl cyanoacrylate:	Percent by Weight: 80
Other:	Percent by Weight: 20
Hydrocarbon Solvent	
Plasticizer	
Thickening Agent	

3. Health Hazard Data

POTENTIAL HEALTH EFFECTS

EYES

Exposure: Irritating to the eyes.

First Aid: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; if residual adhesive remains, apply topical ophthalmic ointment to help loosen the bond and contact on ophthalmologist.

SKIN

Exposure: contact with liquid adhesive did not cause irritation in rabbits.

First Aid: If unintended bonding of intact skin occurs, peel off the adhesive but do not pull skin apart. Petroleum jelly or acetone may help loosen the bond. Other agents such as water, saline, soap are not expected to immediately loosen the bond.

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3. Health Hazard Data- Continued

INGESTION

Exposure: High Viscosity DERMABOND® adhesive polymerizes rapidly on contact with oral mucosa making ingestion of the liquid adhesive extremely unlikely.

First Aid: Ingestion is highly unlikely. It is almost impossible to swallow the liquid adhesive. It will solidify and adhere within the mouth. If the polymerized material is swallowed, no adverse effects are expected. However, contact a physician if gastric distress is noted.

INHALATION

Exposure: High Viscosity DERMABOND® adhesive polymerizes rapidly on contact with oral and nasal mucosa making inhalation of the liquid adhesive unlikely.

First Aid: If nasal or respiratory irritation occurs, remove to fresh air. Obtain medical attention.

NOTE TO PHYSICIAN

Consult the High Viscosity DERMABOND® package insert for additional product information.

TOXICITY

Chronic - High Viscosity DERMABOND® adhesive is not carcinogenic

Teratogenicity - High Viscosity DERMABOND® adhesive is not teratogenic.

Reproductive Effects - No adverse effects have been associated with the use of High Viscosity DERMABOND® adhesive.

Neurotoxicity - No neurotoxic effects have been associated with the use of High Viscosity DERMABOND® adhesive.

Mutagenicity - High Viscosity DERMABOND® adhesive is not mutagenic.

High Viscosity DERMABOND® adhesive has not been associated with adverse health effects. Reactions for lower homologue industrial cyanoacrylates are typically restricted to local, self-limited irritation of attached and immediately surrounding tissues.

Adverse reactions may occur in individuals who are hypersensitive to cyanoacrylates or formaldehyde when exposed to High Viscosity DERMABOND® adhesive.

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4. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point: < 55°F LEL: N/A UEL: N/A

FIRE AND EXPLOSION HAZARDS

Emits toxic fumes under combustion.

EXSTINGUISHING MEDIA

Carbon dioxide, dry chemical powder, foam.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus and protective clothing.

5. ACCIDENTAL RELEASE MEASURES

The liquid adhesive will polymerize once expressed through the applicator or otherwise released from its primary container. The polymerized adhesive is non-toxic and may be disposed of with the applicator in non-hazardous solid waste. Any liquid adhesive may be polymerized with water and picked up with an inert absorbent material.

6. HANDLING AND STORAGE

Storage and Disposal: Observe all federal, state, and local regulations when storing and disposing of this substance.

HANDLING AND STORAGE PRECAUTIONS

High Viscosity DERMABOND® is originally sterilized by dry heat and ethylene oxide gas. Do not re-sterilize. Do not use if package is open or damaged. Discard any unused material following completion of medical procedure.

STORAGE

Recommended storage conditions are below 30C/86F away from moisture and direct heat. Keep container in a well ventilated place. Do not use after expiration date.

DISPOSAL

Ensure compliance with local, state, and federal non-hazardous solid waste regulations.

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6. HANDLING AND STORAGE - Continued

WORK/HYGENIC PRACTICES

Consult package insert for instructions for use.

SPILL AND LEAK PROCEDURES

The liquid adhesive will polymerize once expressed through the applicator or otherwise released from its primary container. The polymerized adhesive is non-toxic and may be disposed of with the applicator in non-hazardous solid waste. Any liquid adhesive may be polymerized with water and picked up with an insert absorbent material.

7. EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION

Use in a well-ventilated area.

EYE/FACE PROTECTION

Wear eye/face protection.

SKIN PROTECTION

Wear suitable (nitrile or polyethylene) gloves.

RESPIRATORY PROTECTION

Respiratory protection is not anticipated for this product's normal application or use.

OTHER PROTECTION

Wear suitable protective clothing.

8. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Clear, purple liquid with a sharp, penetrating odor.

ODOR THRESHOLD

Not Determined

BASIC PHYSICAL PROPERTIES

BOILING POINT: not available
MELTING POINT: not available
VAPOR PRESSURE: not available.

8. PHYSICAL AND CHEMICAL PROPERTIES - Continued

BASIC PHYSICAL PROPERTIES

SPECIFIC GRAVITY: not available.

SOLUBILITY: Miscible in tetrahydrofuran, toluene, acetonitrile, acetone and methylethylketone. Will polymerize in Water.

EVAPORATION RATE (butyl acetate =1): not available.

VAPOR DENSITY: not available.

SOLVENT SOLUBILITY: not available.

9. STABILITY AND REACTIVITY

STABILITY

Stable if sealed but will polymerize on contact with any basic or alkaline substrate.

CONDITIONS TO AVOID (STABILITY)

Avoid excessive heat and humidity, and exposure to direct sunlight.

INCOMPATIBLE MATERIALS

High Viscosity DERMABOND® adhesive will polymerize with any basic or alkaline substrate.

HAZARDOUS DECOMPOSITION PRODUCTS

Emits toxic fumes under combustion. Small amounts of formaldehyde may be generated.

HAZARDOUS POLYMERIZATION: Will not occur.

10. TOXICOLOGICAL INFORMATION

11. ECOLOGICAL INFORMATION

12. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Expelled product that is applied to patients as a topical skin adhesive will eventually go to non-hazardous solid waste.

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13. TRANSPORT INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: Flammable Liquids, n.o.s. (petroleum distillates)
Hazard Class: 3
UN/NA: UN 1993
Packing Group: II

International (Water, I.M.O., Air, IATA)

Proper Shipping Name: Flammable Liquids, n.o.s. (petroleum distillates)
Hazard Class: 3
UN/NA: UN 1993
Packing Group: II

14. REGULATORY INFORMATION

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