

3D-Beauty International, Inc.
15441 Red Hill Avenue, Suite F
Tustin, CA USA 92780-7304
Tel: 1-714-566-0205

**** MATERIAL SAFETY DATA SHEET Finished Product****
3D-Lashes®
MD USA Level 3 Adhesive, Clear

SECTION 1 – SUBSTANCE & PRODUCT IDENTIFICATION

TRADE NAME: 3D-Lashes® Adhesive Glue

CODE: Ethyl-2 Cyanoacrylate

FINISHED PRODUCT NAME: MD USA Level 3 Adhesive Glue, Clear

EFFECTIVE DATE: May-2007, Revision 1

DESCRIPTION

A single component, medium to high viscosity Cyanoacrylate adhesive. Designed for general purpose bonding on all types of substrates where gap filling is required.

SECTION II – COMPOSITION AND INGREDIENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>%</u>
Ethyl-2 Cyanoacrylate	7085-85-0	90-95
Poly Methyl Methacrylate	9011-14-7	5-10
Urethane Rubber	Trade Secret	5-10

<u>Exposure Limits (TWA)</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	<u>OTHER</u>
Ethyl-2 Cyanoacrylate	0.2 ppm	None	None

SECTION III – HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Eye Contact: Irritating to eyes. Causes excessive tearing. Eyelids may bond.

Skin Contact: Bonds to skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat during the cure process and, in rare instances; a large drop can burn the skin.

Inhalation: Exposure to vapors above the established exposure limit results in respiratory irritation which may lead to difficulty breathing and tightness in the chest.

Ingestion: Material is not harmful if ingested. Cyanoacrylates are almost impossible to swallow because they solidify in the mouth.

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SECTION IV – FIRST AID MEASURES

Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue and skin in seconds. Experience has shown that accidents due to Cyanoacrylates are best handled by passive, non-surgical first aid. Treatment of specific types of accidents are suggested as follows:

EYE CONTACT

Flush with warm water. If eye lids are bonded closed, release eyelashes with warm water by covering the eye with a wet pad. **DO NOT** force eye open. In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in one to two days. There will be no residual damage. **DO NOT** try to open the eyes by manipulation. Get medical attention if redness or irritation occurs.

Adhesive in Eye: Adhesive introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, usually in several hours. This will cause periods of weeping until clearance is achieved. It is important to understand that dissociation will normally occur within a matter of hours, even with gross contamination.

SKIN PROBLEM

Remove excess adhesive. Soak in warm, soapy water. The adhesive will come loose from the skin in several hours. Dried adhesive does not present a health hazard even when bonded to the skin. Avoid contact with clothes, fabric, rags or tissue. Contact with these materials may cause polymerization. The polymerization of large amounts will generate heat causing smoke, skin burns, and strong, irritating vapors. Wear rubber or polyethylene gloves and an apron when handling large amounts of adhesive.

Skin Adhesive: First immerse the bonded surfaces in warm, soapy water. Peel off or roll the surfaces open with the end of a blunt edge, such as a spatula or a spoon handle, then remove adhesive from the skin with soap and water. **DO NOT** try to pull the surfaces apart with a direct opposing action.

Mouth Adhesive: If lips are accidentally stuck together, apply lots of water and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. **DO NOT** try to pull the lips with direct opposing action. It is almost impossible to swallow Cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in one to two days.

Burns: Cyanoacrylates give off heat on solidification. In rare cases, large drops will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of Cyanoacrylate is released from the tissue as described above.

SURGERY

It should never be necessary to use such drastic action to separate accidentally bonded skin.

INHALATION

If respiratory irritation occurs, remove individual to fresh air. Get medical attention if breathing is difficult or lung irritation is present.

INGESTION

Accidental ingestion of product is unlikely. Material is not harmful if ingested and it is almost impossible to swallow because they solidify in the mouth. Do not give anything by mouth to an unconscious person. **Do not induce vomiting.** Get immediate medical attention.

Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

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SECTION V – FIRE FIGHTING MEASURES

FLAMMABILITY DATA

Flash Point & Method: 150-200°F, Tag Closed Cup

Extinguishing Media

Use extinguishing agents that are suitable to the surrounding fire. Foam, Dry Chemical or Carbon Dioxide are recommended.

Special Fire-Fighting Procedures

NIOSH-approved Self-Contained Breathing Apparatus (SCBA) and full protective clothing/equipment recommended. Use a fog nozzle or foam to cool or extinguish fire.

Unusual Fire and Explosion Hazards

None.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak Clean-Up

Do not use clothes for clean-up. Flood spilled material with water to polymerize. Cured material can be scraped up and disposed of as non-hazardous waste. Make sure spill area is well ventilated.

SECTION VII - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat or open flame. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or mist. Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors.

Conditions for Safe Storage

Product should be stored in 60° Degree Temperature prior to 1st opening. Once open after use, product should be stored unopened (tightly closed) in a cool, dry place out of direct sunlight in a location with even, normal temperatures; preferably within the 60° Degree Temperature range to maximize shelf life.

Other Recommendations

None

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation is recommended to maintain vapor level below TLV.

Respiratory Protection: Not applicable with good local exhaust. Use NIOSH approved respirator if there is a potential to exceed exposure limits.

Skin: Polyethylene or non reactive gloves. Do not use cotton, or wool.

Eye Protection: Safety glasses or goggles with side shields.

To safe guard the shelf life and purity of the product: 1) Always handle and apply in a careful and sanitary manner; 2) Do not share with others; 3) Do not add anything to the product; 4) Cap tightly after use to help prevent moisture entering product and maximize product shelf life; 6) If changes in product occurs; such as appearance and product strength, discontinue use.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL APPEARANCE:	Clear Slightly Yellow Liquid
COLOR:	According to specification
ODOR:	Sharp, irritating
BOILING POINT:	Greater than 300°F
MELTING POINT:	Not Determined
VAPOR PRESSURE:	Less than 0.2mm Hg @25°C
Ph:	Not Applicable
VAPOR DENSITY:	Approximately 3 (Air=1)
EVAPORATION RATE:	Not Applicable
SPECIFIC GRAVITY:	1.06 at 20° C
ODOR THRESHOLD:	1-2 ppm
SOLUBILITY IN WATER:	Negligible. Polymerized by Water.
PARTITION COEFFICIENT:	Not Determined
VOLATILE ORGANIC COMPOUND: (SCQAMD Method 316B)	Less than 20 grams per liter (estimated)

SECTION X - STABILITY AND REACTIVITY

STABILITY:

This product is stable under recommended storage conditions.

HAZARDOUS POLYMERIZATION:

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis, and alcohols.

INCOMPATIBILITY:

Polymerized by contact with water, alcohols, amines, and alkalis.

SECTION XI - TOXICOLOGICAL INFORMATION

Acute oral LD50>5000 mg/kg (rat) (estimated). Acute dermal LD50>2000 mg/kg (rabbit) (estimated).

SECTION XII- ECOLOGICAL INFORMATION

No Data

SECTION XIII - DISPOSAL CONSIDERATIONS

Disposable Procedures:

Dispose of in accordance with Federal, State and local regulations.

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SECTION XIV - TRANSPORT INFORMATION

Domestic Ground Transport:

Proper Shipping Name: Combustible Liquid, n.o.s. (more than 450 liters)
 Hazard Class or Division: Combustible Liquid (more than 450 liters)
 Identification Number: NA 1993 (more than 450 liters)
 Exceptions: Unrestricted under 450 liters
 Marine Pollutant: No

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Aviation Regulation Liquids, n.o.s. (Cyanoacrylate Ester)
 Hazard Class or Division: 9
 Identification Number: UN 3334
 Packing Group: None
 Exceptions: Unrestricted under 500 ml

Water Transportation (IMO/IMDG):

Proper Shipping Name: Unrestricted
 Hazard Class or Division: None
 Identification Number: None
 Packing group: None
 Marine pollutant: None

SECTION XV - REGULATORY INFORMATION

TSCA 8b Inventory Status: All components are listed or exempt
CERCLA/SARA Section 302 EHS: None
CERCLA/SARA Section 311/312: Immediate health hazard. Delayed health hazard, Fire, Reactive
CERCLA/SARA 313: None
California Proposition 65: None
Canada DSL/NDSL: All components are listed or exempt
WHMIS Hazard Class: B.3, D.2.B

SECTION XVI- OTHER INFORMATION

<u>Hazard</u>	<u>NFPA Hazard Code®</u>	<u>HMIS Hazard Code®</u>
Health	2	2
Fire	2	2
Physical Hazard1		1
Specific Hazard	No Water	Personal Protection: See Section VIII

Curing Information

Ambient surface moisture will initiate the hardening process. Handling strength is reached in a short period of time and varies depending on environmental conditions and substrates being bonded. Product will continue to cure for at least 24 hours before full strength and resistances are developed.

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General Instructions

Surfaces to be bonded should be clean and dry. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film layer after compression. Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute and maximum strength is attained in 24 hours. Wipe off excess adhesive from the top of the container and recap. Product left uncapped may deteriorate by contamination from moisture in the air. Because this product cures by polymerization, whitening may appear on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with acetone.

For more information contact Product Safety at

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DISCLAIMER:

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