

AMERICAN INTERNATIONAL INDUSTRIES2220 GASPAR AVENUE
LOS ANGELES, CA 90040
CHEM-TEL: (800) 255-3924**MATERIAL SAFETY DATA SHEET****PRODUCT NAME:** IBD 5 Second Nail Glue**DATE:** 9/14/2004**ITEM:** 12503**REV.:** NEW**Section 1. Material Identification and Information****Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA
Ethyl 2-Cyanoacrylate	7085-85-0	> 99%	ACGIH PEL/TWA: 1mg/m ³

Section 2. Physical / Chemical Characteristics

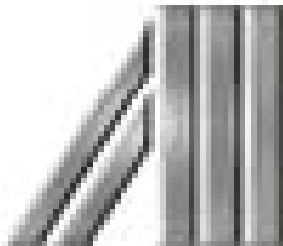
Boiling Point:	62°C (5mm Hg)	Specific Gravity:	1.05
Vapor Pressure:	0.13 @ 20°C (mm Hg and Temperature)		(@ 20°C)
Vapor Density:	> 1 (Air = 1)	Melting Point:	N/A
Solubility in Water:	Polymerize	Evaporation Rate:	< 1 (Butyl Acetate = 1)
Appearance:	Colorless Liquid	Water Reactive:	N/A
Odor:	Irritating	Freezing Point:	< -20°C
		pH:	Not Available

Section 3. Fire and Explosion Hazard Data

Flash Point and Method Used:	83°C (C.O.C.)
Auto-Ignition Temperature:	485°C
Flammability Limits in Air % by Volume:	LEL: Not Available UEL: Not Available
Extinguisher Media:	In case of fire, use water spray, dry chemical, foam, or CO ₂ . Use water to keep fire-exposed containers cool.
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	None

Section 4. Reactivity Hazard Data

Stability:	Normally stable, but may become unstable at high temperatures or may react with water.
Conditions to Avoid:	Exposure to heat, flame, and incompatibilities.
Incompatibility (Materials to Avoid):	Water, alcohols, amines, bases, and direct UV.
Hazardous Decomposition:	Oxides of carbon.
Hazardous Polymerization:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur



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Section 5. Health Hazard Data

Primary Routes of Entry:

- Inhalation
- Skin Absorption
- Ingestion
- Eye Contact

Carcinogen Listed In:

- NTP
- IARC Monograph
- OSHA
- Not Listed

Health Hazards:

Eye Contact: Bonds eyelids instantly. Causes irritation.

Skin Contact: Bonds skin instantly. Causes irritation.

Inhalation: May be harmful if inhaled. Liquid or vapor may cause irritation of nose, throat, and lungs.

Ingestion: No hazards known.

Emergency First Aid Procedures:

Eye Contact: If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings. Liquid glue will sting eye temporarily. Solidified glue may irritate eye like a grain of sand and should be treated by an eye doctor.

Skin Contact: If skin bonding occurs, soak in acetone based nail polish remover or acetone and carefully peel or roll skin apart (do not pull).

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

Ingestion: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

Section 6. Control and Protective Measures

Engineering Controls:

The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate. If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

Protective Gloves: Wear impervious gloves as required to prevent skin contact.

Eye Protection: Use goggles if contact is likely.

Other Protective Clothing and Equipment:

Always use appropriate Personal Protective Equipment (PPE).

Hygienic Work Practices:

Good Manufacturing Practices.

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Section 7. Precautions for Safe Handling and Use / Leak Procedures

Steps to be Taken if Material is Spilled or Released:

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

Waste Disposal Methods:

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements. Empty container. May contain explosive vapors. DO NOT cut, puncture, or weld on or nearby.

Precautions to be taken in Handling and Storing:

Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin, and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).
Inhalation: Avoid breathing vapor. Use with adequate ventilation.
Skin: Avoid contact with bonding skin and clothing.
Eyes: Avoid contact with eyes.

Storage: Keep away from amines.
Store in cool, dry area away from sun and heat.
Keep containers tightly closed.
Exposure to small amounts of moisture, even moisture in air, causes polymerization and renders the product unstable.
Keep away from heat, sparks, flame, and other ignition sources.

Other Precautions and/or Special Hazards:

None

Section 8. Toxicological Information

LD50: more than 5,000mg/kg (oral rat); Ethyl 2-Cyanoacrylate

Section 9. Transport Information

U.S. Department of Transportation (DOT):

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation. Combustible. (Containers less than 110 gallons non-regulated)

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Section 10. Regulatory Information

U.S. Federal Regulations:

OSHA Hazard Communication Standard 29CFR1910.1200:

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 Hazard Communication Standard.

SARA Title III: Section 311/312:

Fire hazard

Immediate health hazard

SARA Title III Section 313 and 40 CFR Part 372:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372. None required per SARA TITLE III SECTION 313.

TSCA Section 8(b) Inventory:

All reportable chemical substances are listed on the TSCA Inventory.

Section 11. Other Information

HMIS Rating: Health: 2 (moderate)
Flammability: 2 (moderate)
Reactivity: 1 (slight)