

HERNON MANUFACTURING
121 TECH DRIVE
SANFORD, FL 32771
(407) 322-4000
FAX: (407) 321-9700
For Emergency 1-800-255-3924

MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTIFICATION

Product Name: Instantbond 108
Product Type: Cyanoacrylate

II. COMPOSITION

Ingredients	%
Ethyl-2-Cyanoacrylate	90-100
Methylene Chloride	5-10

III. CHEMICAL AND PHYSICAL PROPERTIES

Viscosity:	2-3 cps
Vapor Pressure:	0.3 @ 68° F
Vapor Density:	> 1
Solubility in Water:	Polymerizes in water
Specific Gravity:	1.07 @ 25°C
Boiling Point:	140° F @ 3 mmHg
Volatile Organic Compound (EPA Method 24)	
Evaporation Rate (Ether = 1)	N/A
Appearance:	Transparent liquid
pH:	
Odor:	Irritating odor

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point:	167° F Setaflash <u>Closed Cup</u>
Estimated NFPA Code:	
Health Hazard:	2
Fire Hazard:	2
Reactivity Hazard:	2
Specific Hazard:	No water
Estimated HMIS Code:	
Health Hazard:	2
Flammability Hazard:	2
Reactivity Hazard:	2
Personal Protection:	2
Explosive Limits:	
(% by volume in air) Lower	N/A
(% by volume in air) Upper	N/A
Recommended Extinguishing Agents:	CO2, Dry Chemical, Water Fog
Hazardous Products Formed by Fire or Thermal Decomp:	Irritating organic vapors
Unusual Fire or Explosion Hazards:	None
Compressed Gases:	None
Pressure at Room Temp.:	Does not apply

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V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak: Small spills: wipe up with cloth. Immediately soak cloth with water to polymerize adhesive.
Large spills: flood area with water
Recommended methods of disposal: Incinerate, or solid adhesive can be land-filled in accordance with all applicable Federal, State and Local environmental regulations. Do not pour down drain.

VI. STORAGE AND HANDLING PROCEDURES

Storage: Store at or below 75° F to preserve shelf life.
Handling: Use with adequate ventilation. Avoid contact with skin, eyes or clothing.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)		
Proper Shipping Name	Ground: Unrestricted	Air: Unrestricted
Hazard Class or Division:	Ground: Unrestricted	Air: Unrestricted
Identification Number	Ground: None	Air: None
IATA		
Proper Shipping Name:	Unrestricted	
Class or Division:	Unrestricted	
UN or ID Number:	None	

VIII. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products
(non-thermal): None
Incompatibility: Polymerized by contact with water, alcohols, or amines

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Not likely. See supplemental page for emergency procedures
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention
Skin Contact: Soak in warm water. See supplemental page.
Eye Contact: Flush with water. See supplemental page.

X. PERSONAL PROTECTION

Eyes: Safety glasses must be worn. Eye bath and washing facilities should be near.
Skin: Polyethylene gloves - No rubber or cloth gloves
Ventilation: Positive downdraft exhaust ventilation should be provided to maintain vapor concentration below TLV.

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XI. HEALTH HAZARD DATA

Toxicity: Skin contact may cause severe burns. Bonds skin rapidly and strongly. Skin and eye irritant.
Estimated oral LD 50 more than 2,000 mg/kg. Estimated dermal LD 50 more than 2,000 mg/kg.

Primary Routes of Entry:

Signs and Symptoms of Exposure: Immediate bonding of skin, eyes or mouth may result upon contact. Vapors are irritating to mucous membranes and the upper respiratory tract

Existing Conditions Aggravated
by Exposure: None known

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Ethyl-2-Cyanoacrylate			
Methylene Chloride	174 mg/m ³		

Ingredients for which no Exposure Limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Ethyl-2-Cyanoacrylate	LUN SKI	No	No	No
Methylene Chloride		2	2B	

Abbreviations

LUN	Lung	SKI	Skin
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XII. PREPARATION INFORMATION

Prepared by: Josef Arnon
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Phone: (407) 322-4000
Emergency: 1-800-255-3924
Revision: 07/01

XIII. DISCLAIMER

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