

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification	
Common Name	
Distributor	The Nail Superstore 3804 Carnation Street, Franklin Park, IL 60131 Tel: 847-260-4000 / Fax: 847-260-4005
Synonym	Not available.
Trade name	Artisan Nail Wrap Brush On Resin
Material Uses	Industrial applications: Cyanoacrylate adhesive
	MSDS#
	Validation Date 12/3/2001
	Print Date 12/3/2001
	Responsible Name Company
	In Case of Emergency Infotrac: 800-535-5053

Section 2. Composition, Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits
1) Ethyl 2-cyanoacrylate	7085-85-0	90-95	TWA: 0.2 (ppm) from ACGIH (TLV) TWA: 1 (mg/m ³) from ACGIH (TLV)

Section 3. Hazards Identification	
Physical State and Appearance	Liquid. (Transparent Liquid.)
Emergency Overview	<p>EMERGENCY OVERVIEW</p> <p>Combustible liquid. Rapid polymerization occurs upon contact with water or alkaline substances. Skin inflammation or burns may occur upon contact during this polymerization. Will bond skin. May cause mucous membrane and respiratory tract damage. Use with adequate ventilation.</p> <p>Wear suitable protective clothing and gloves. Store and use away from heat, sparks, open flame, or any other ignition source (See section 8).</p>
Routes of Entry	Inhalation.
Potential Acute Health Effects	<p><i>Eyes</i> Slightly hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Bonds skin instantly.</p> <p><i>Inhalation</i> Concentrated vapors are hazardous if inhaled.</p> <p><i>Ingestion</i> No known hazard</p>
Potential Chronic Health Effects	Repeated use may result in irritation of mucous membrane and upper respiratory tract.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate any medical conditions.
Overexposure /Signs/Symptoms	Side effects are asthma, bronchitis & other chronic lung conditions/upper respiratory tract irritant.
See Toxicological Information (section 11)	

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Section 4. First Aid Measures

Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Do not attempt to pull apart bonded eyelid. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and soap. Seek medical attention to remove cured material. Wash contaminated clothing before reusing.
Inhalation	If symptoms of prolonged exposure to concentrated material vapors appear, remove to fresh air. If breathing is difficult, loosen any restrictive clothing and provide oxygen and get medical care if necessary.
Ingestion	Do not induce vomiting. Saliva will cause cyanoacrylate to polymerize in the mouth. If lips are bonded together, use warm water to gently separate the lips apart.
Notes to Physician	Cured adhesive does not pose a health risk

Section 5. Fire Fighting Measures

Flammability of the Product	Combustible.
Auto-Ignition Temperature	>200°C (392°F)
Flash Points	The lowest known value is CLOSED CUP: 79°C (174.2°F). (Ethyl 2-cyanoacrylate)
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	None known
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Vapor respirator or a self contained breathing apparatus.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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Section 7. Handling and Storage

Handling	To avoid fire, minimize ignition sources. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. May react in presence of moisture. May react or be incompatible with alkalies.
Storage	Contains moisture sensitive material; store in a dry place. Keep away from sources of ignition. Keep container tightly closed and dry. Keep in a cool, well-ventilated place.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Good general ventilation should be sufficient to control airborne levels in small quantity use. Local exhaust is recommended for bulk repackaging or continuous large quantity use.

Personal Protection

Eyes Safety glasses.

Body Synthetic apron.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Gloves (impervious).

Feet Wear chemical resistant shoes

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill A self contained breathing apparatus should be used to avoid inhalation of the product. Boots. Full suit. Gloves. Safety glasses.

Product Name**Exposure Limits**

1) 2-Propenoic acid, 2-cyano-, ethyl ester

TWA: 0.2 (ppm) from ACGIH (TLV)
TWA: 1 (mg/m³) from ACGIH (TLV)

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Transparent Liquid.)	Odor	Acrid.
Molecular Weight	Mixture.	Taste	Not available.
Molecular Formula	Mixture.	Color	Transparent.
pH (1% Soln/Water)	Not applicable.		
Boiling/Condensation Point	The lowest known value is >190°C (374°F) (Ethyl 2-cyanoacrylate).		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	1.05 (Water = 1)		
Vapor Pressure	0.0075 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is >1 (Air = 1) (Ethyl 2-cyanoacrylate).		
Volatility	Not available.		

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Odor Threshold	Not available.
Evaporation Rate	Not available.
VOC	Not available.
Viscosity	Kinetic: 85 cP
LogK _{ow}	Not available.
Ionicity (in Water)	Not applicable.
Dispersion Properties	Not available.
Solubility	Insoluble in cold water.
Physical Chemical Comments	Insoluble in water

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable but it is water reactive.
Conditions of Instability	Rapid polymerization occurs upon contact with water or alkaline substances. As a result, heat is generated. Skin inflammation or burns may occur upon contact during this polymerization.
Incompatibility with Various Substances	Reactive with alkalis, moisture, peroxides.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Yes due to heat generated during polymerization.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	The substance is toxic to mucous membranes, upper respiratory tract.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant). Concentrated vapors are hazardous in inhaled.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Continous high volume usage without adequate ventilation can irritate eyes and nose.
Special Remarks on Other Toxic Effects on Humans	Vapors are irritating to mucous membrane and upper respirator tract. Under normal conditions of use of this product, no respiratory protection is required. Aproved breathing apparatus is required if large spill occurs.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
Products of Degradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

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Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Cured products may be landfilled. Uncured product must be handled according to local regulations.

Waste Stream Consult your local authority. Consult your local hazardous waste management for advice.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Combustible.



Label not required for shipments less than 450 liter or 119 gallons. Combustible Liquid, n.o.s., 3, NA1993, I

Marine Pollutant Not available.

Special Provisions for Transport Quantity of 450 liters (119 gallons) or less are not regulated; the following apply to larger quantities:
Combustible liquid, n.o.s., 3, NA1993, III.
Quantity limitations:
Passenger aircraft or railcar: 60 L.
Cargo aircraft only: 220 L.

ADR/RID Classification Not controlled under ADR (Europe).

IMO/IMDG Classification Not controlled under IMDG.

ICAO/IATA Classification Not controlled under IATA.

Section 15. Regulatory Information

HCS Classification Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

U.S. Federal Regulations All ingredients are in compliance with TSCA.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean water act (CWA) 307: No products were found.
Clean water act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

International Regulations

EINECS Not available.

DSCL (EEC) This product is not classified according to the EU regulations.

International Lists No products were found.

State Regulations No products were found.

California prop. 65: No products were found.

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Section 16. Other Information

Label Requirements Combustible liquid.
 Rapid polymerization occurs upon contact with water or alkaline substances. Skin inflammation or burns may occur upon contact during this polymerization.
 Will bond skin.
 May cause mucous membrane and respiratory tract damage.
 Use with adequate ventilation.

Hazardous Material Information System (U.S.A.)

Health	*	2
Fire Hazard		2
Reactivity		2
Personal Protection		C

National Fire Protection Association (U.S.A.)

References -Manufacturer's Material Safety Data Sheet.

Other Special Considerations Skin, lips, eyelids or other body part bonded by cyanoacrylate are best separated by passive nonsurgical first aid.
 Generally warm water and gentle manipulation will break the cyanoacrylate bond.

Validated by Company on 12/3/2001.

Verified by Company.

Printed 12/3/2001.

The data contained herein is based upon information that The Nail Superstore believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or results to be obtained from the use thereof.