

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Artisan FlexWrap Nail Powder

Distributor: The Nail Superstore
3804 Carnation Street
Franklin Park, IL 60131

Telephone Number: 847-260-4000

Fax Number: 847-260-4005

TELEPHONE NUMBERS – 24 HOUR EMERGENCY ASSISTANCE:

Infotrac Domestic - 800-535-5053

Infotrac International - 352-323-3500

2. COMPOSITIONAL INFORMATION

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
Poly (Ethyl Methacrylate/Methyl Methacrylate)	NE		OSHA PEL 15 mg/m ³
Particulates NOC			ACGIH TLV 10 mg/m ³

3. FIRE AND EXPLOSION HAZARD INFORMATION

Extinguishing Media

Use a water spray, dry chemical, alcohol foam or carbon dioxide to extinguish fire.

Basic Fire Fighting Procedures

Evacuate area and fight fire from a safe distance. Wear self-contained breathing apparatus and full protective clothing.

NFPA Rating Health – 1 Flammability – 1 Reactivity - 0

Flash Point: 579° F ° C

Auto Ignition Temperature: NE

Flammability Limits in Air, Lower % by Volume: NA

Flammability Limits in Air, Upper % by Volume: NA

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4. HEALTH HAZARD INFORMATION

Potential Health Effects, Skin

Nuisance particles may cause irritation.

Potential Health Effects, Eye

Nuisance particles may cause irritation.

Potential Health Effects, Inhalation

Gross overexposure to nuisance particles, regardless of how generated, may cause irritation of the respiratory tract. If affected by inhalation, remove to fresh air. If breathing difficulty persists, consult a physician.

5. FIRST AID INFORMATION

Skin

Wash affected skin areas with soap and water. See a physician if irritation persists.

Eye

Flush eyes with a large amount of water for at least 15 minutes.

Inhalation

Move subject to fresh air. If having difficulty breathing, administer oxygen. Give artificial respiration if breathing has stopped. Call a physician.

Ingestion

Ingestion of small quantities of this material under normal circumstances will not cause harmful effects.

In all of the above emergency cases, call a physician.

6. REACTIVITY INFORMATION

Stability / Incompatibility

Stable. Incompatible with strong acids, strong oxidizing agents.

Hazardous Reactions / Decomposition Products

Decomposing the polymer may generate some organic esters, these may contain methacrylates. Other decomposition products include carbon monoxide, organic acids, aldehydes and alcohol.

Hazardous Polymerization

Will not occur.

7. SPILL OR LEAK PROCEDURES INFORMATION

Spill or Leak Procedure

Sweep up carefully to prevent slipping hazard.

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8. SPECIAL PROTECTION INFORMATION

Skin Protection: Personal Protection Equipments (PPE)

None required

Eye Protection: Personal Protection Equipments (PPE)

Wear chemical safety goggles

Have eye-washing facilities readily available where eye contact can occur.

Respiratory Protection: Personal Protection Equipments (PPE)

None required if good ventilation is maintained under normal processing conditions.

9. STORAGE AND HANDLING EQUIPMENT

Handling

Avoid temperatures above 299° C / 570° F

Storage

Observe all label precautions.

Minimum: Ambient Maximum: Ambient. Store containers in a dry area, keeping containers closed to prevent absorption and contamination.

10. MISCELLANEOUS INFORMATION

Disclaimer

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.

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 FlexWrap Glaze Base
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)	

Continued on Next Page

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.

Continued on Next Page

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.
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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.
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Product Name	Exposure Limits
1) 2-Propenoic acid, 2-cyano-, ethyl ester	TWA: 0.2 (ppm) from ACGIH (TLV) TWA: 1 (mg/m ³) 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.		

Continued on Next Page

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.

Continued on Next Page

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.

Material Safety Data Sheet

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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 FlexWrap Glaze Top										
Material Uses	Industrial applications: Cyanoacrylate adhesive										
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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.

Continued on Next Page

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.
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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.
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Product Name	Exposure Limits
1) 2-Propenoic acid, 2-cyano-, ethyl ester	TWA: 0.2 (ppm) from ACGIH (TLV) TWA: 1 (mg/m ³) 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.

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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.

Section 1 – Identification

Product Name: Artisan FlexWrap Glaze Activator

Distributor: The Nail Superstore

3804 Carnation St., Franklin Park, IL 60131

Chemical Name: N/A

Information Contacts: (847)260-4000

Emergency Phone Numbers: US & Canada (800) 535 - 5053

Family: SOLVENT

Product Use: Acrylic Accessory

Emergency Phone Numbers: International:

1-352-323-3500

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- **Flammable liquid and vapor!**
- May cause allergic skin reaction.
- May cause eye irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mists.



Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin contact, eye contact

Eye Exposure may cause eye irritation. Symptoms include stinging, tearing, redness and swelling.

Skin Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, cracking, and skin burns.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation Vapor and mist are irritating to mucous membrane. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects May cause headaches, nausea, vomiting and narcotic effect if over-exposed.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3- Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Acetone	67-64-1	200-662-2	Acetone	1000 ppm	750 ppm	Not Listed	55-65
Ethyl Acetate	141-78-6	205-500-4	Ethyl Acetate	400 ppm	400 ppm	no/no/no	25-30
Isobutyl Acetate	110-19-0	203-745-1	Isobutyl acetate	150 ppm	150 ppm	Not Listed	5-10
Rose Oil	8007-01-0	N/E	Rosa Damascena Flower Oil	N/E	N/E	Not Listed	0-1
Almond Oil	8007-69-0	N/E	Prunus Amygdalus dulcis (Sweet Almond) Oil	N/E	N/E	Not Listed	0-1
Ethyl-4 Dimethylaminobenzoate	10287-53-3	233-634-3	Ethyl Dimethylaminobenzoate	N/E	N/E	Not Listed	0-1
N,N-Dimethyl-p-toluidine	99-97-8	202-805-4	Dimethyltolylamine	N/E	N/E	Not Listed	0-1
N/E – None Established	N/DA – No Data Available N/A						
N/R – Not Reviewed	– Not Applicable						

Acetone: Hazard Symbol – F, Xi Risk Phrases – R11, R36, R66, R67 Safety Phrases – S2, S9, S16, S26

Ethyl Acetate: Hazard Symbol: F, Xi Risk Phrases: R11, R36, R66, R67 Safety Phrases: S2, S16, S26, S33

Isobutyl Acetate: Hazard Symbol – F Risk Phrases – R11, R66 Safety Phrases – S2, S16, S23, S25, S29, S33

See Section 16 for Risk and Safety Phrase Key

Section 4 – First Aid Measures

Material Safety Data Sheet Artisan FlexWrap Glaze Activator

First Aid for Eye	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water for 15 minutes while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
First Aid for Skin	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.
First Aid for Inhalation	Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.
First Aid for Ingestion	If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed: 68°F/20°C	400 ppm	N/DA

Method:

Extinguishing Media:	Foam, dry chemical, cold water spray.
Fire Fighting Instructions:	Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a safe distance and protected location.
Unusual Hazards:	Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon dioxide and oxides of nitrogen. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

Section 6 – Accidental Release Measures

Spill or Release Procedures	Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
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Section 7 – Handling and Storage

Handling	Keep containers cool and dry. Keep away from heat, light and ignition sources. Avoid breathing high vapor concentrations. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Containers should be bonded and grounded for transfers to avoid static sparks. Use non-sparking type tools and equipment, including explosion proof ventilation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid). Wash thoroughly after handling.
Storage	Store in well ventilated area. Store @ 70°F +/- 15°F, allow some air space above liquid level. Keep containers closed while not in use.
Explosion Hazard	Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.
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Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product. Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
Eye/ Face Protection	Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
Skin Protection	Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
Respiratory Protection	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section 9 – Physical and Chemical Properties

Appearance		Odor & Odor Threshold		pH	Specific Gravity	Viscosity	% Volatile
Clear liquid		fruity rose like odor		N/A	(H ₂ O=1): 0.86	300-400 cps	W/W% (70°F): 99+
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
160°F/71°C	N/DA	N/DA	N/DA	(Air=1): 1	N/A	N/A	Miscible in all proportions of water
Flash Point (°F/°C)			Flammable Limit (vol%)		Auto-ignition Temperature (vol%)		
TAG Closed: 68°F/20°C			400 ppm		N/DA		

Section 10 – Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage Hazardous Decomposition Products: Heated material produces NO ₂ , CO ₂ , CO Conditions to Avoid: Heat, flame, ignition sources.	Incompatibility (Materials to Avoid): Avoid oxidizing agents, acids & bases (heat) Hazardous Polymerization: Will not occur
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Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
Oral, rat: LD50 = 3.2-6.4 g/kg	Dermal, rabbit: LD50 = >20 mL/kg	Inhalation, rat: LC50 = 3500-8000 ppm/4 hours	Rabbit: slight	Rabbit: slight
Since this product contains a very low concentration of active components, the primary toxicological information is derived from the aliphatic ketones. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.				
Sensitization	Mutagenicity			Sub-chronic Toxicity
Minor	Hamster fibroblast, 40 g/L sex chromosome loss/non disjunction: S. cerevisiae, 47600 ppm Salmonella typhimurium TA92, TA94, TA98, TA100, TA1537 with metabolic activation.			N/DA

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Rainbow trout LC50 = 5540 mg/L; 96 HR; Static Conditions	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	When released into the soil, this material is expected to readily biodegrade, leach into groundwater, and/or quickly evaporate.
Chemical Oxygen Demand	N/DA

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Material Safety Data Sheet Artisan FlexWrap Glaze Activator**Section 13 – Disposal Considerations**

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

The basic description (proper shipping name, hazard class & division, ID number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA and IMDG.

14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D (≤ 1.0 L) UN1993, FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE), 3, II (> 1.0 L)
14.2	IATA (AIR): ID8000, 9, CONSUMER COMMODITY (≤ 0.5 L) UN1993, FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE), 3, II (> 0.5 L)
14.3	IMDG (OCN): UN1993, FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE), 3, II, LTD QTY (≤ 1.0 L) UN1993, FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE), 3, II (> 1.0 L)

Section 15 – Regulatory Information**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAPs): <ul style="list-style-type: none"> • NONE There are no ODS's (ozone depleting substances) as defined by the U. S. Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> • Isobutyl Acetate, CAS# 110-19-0
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Fire hazard
RCRA	This product contains chemicals considered to be hazardous waste under RCRA (40 CFR 261): <ul style="list-style-type: none"> • Ethyl Acetate CAS# 141-78-6, RCRA Code U112 • Acetone, CAS# 67-64-1, RCRA Codes U002 • May contain Characteristic of Ignitability: RCRA Code: D001
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 302-304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> • Acetone, CAS# 67-64-1, RQ(lbs.): 5,000 • Ethyl Acetate CAS# 141-78-6, RQ(lbs.): 5000 • Isobutyl Acetate CAS# 110-19-0, RQ(lbs.): 5000

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SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Fire hazard
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> • Acetone, CAS# 67-64-1
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.

State Regulations

CA Right-to-Know Law: California No Significant Risk Level:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0 NONE
MA Right-to-Know Law:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0
NJ Right-to-Know Law:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0
PA Right-to-Know Law:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0
FL Right-to-Know Law:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0
MN Right-to-Know Law:	Acetone CAS #67-64-1, Ethyl Acetate CAS #141-78-6, Isobutyl Acetate CAS #110-19-0

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Acetone CAS# 67-64-1 is on the DSL List. WHMIS = n/da Ethyl Acetate CAS# 141-78-6 is on the DSL List. WHMIS = n/da Isobutyl Acetate CAS# 110-19-0 is on the DSL List. WHMIS = n/da N,N-dimethyl-p-toluidine DSL regulatory status: Included, WHMIS: n/da
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Labeling according to EC directives – 1999/45/EC

European Community:	<p>Activator:</p> <ul style="list-style-type: none"> • HAZARD SYMBOLS: Xi: Irritant, F: Highly Flammable • RISK PHRASES: R22: Harmful if swallowed, R36/37/38: Irritating to eyes, respiratory system, and skin, R33: Danger of cumulative effects. • SAFETY PHRASES: S7/9: Keep container tightly closed and in a well-ventilated place, S24/25: avoid contact with skin and eyes, S33: Take precautionary measures against static discharges, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment, S46: If swallowed seek medical advice immediately and show this container or label.
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Section 16 – Other Information

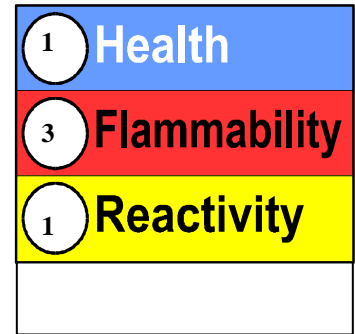
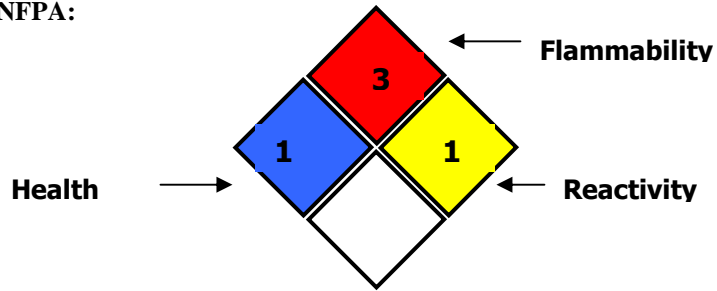
EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

<p>Hazard Symbols: F – Flammable substances and preparations Xi – Irritants</p> <p>Risk Phrases: R11 Highly flammable; R36 Irritating to eyes; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness</p> <p>Safety Phrases: S2 Keep out of the reach of children; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking; S23 Do not breathe gas/fumes/vapour/spray; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S25 Avoid contact with eyes; S29 Do not empty into drains; S33 Take precautionary measures against static discharges</p>

Hazard Rating System (Pictograms)

NFPA:

HMIS:



MSDS Prepared by:	BSQ
Revision History:	11/17/04
	09/02/05 Section 1 & 2.
	08/23/06 Section 2 – EINECS addition for Ethyl-4-dimethylaminobenzoate.
	07/12/07 Section 1 update.
	12/20/07 DOT Name update
	09/17/08 Updated section 16, added a part number.
	10/21/08 Updated format
	11/19/08 Updated Risk and Safety Phrases
	12/09/08 Updated specific gravity
	03/16/09 Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1, 8, and 13. Moved MSDS preparation to section 16.
	02/03/10 Added international emergency phone number to section 1

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.

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)	

Continued on Next Page

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.

Continued on Next Page

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.
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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.
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Product Name	Exposure Limits
1) 2-Propenoic acid, 2-cyano-, ethyl ester	TWA: 0.2 (ppm) from ACGIH (TLV) TWA: 1 (mg/m ³) 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.		

Continued on Next Page

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.

Continued on Next Page

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.

Continued on Next Page

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.