Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Common Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Artisan FlexWrap Glaze Top</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distributor</th>
<th>The Nail Superstore</th>
</tr>
</thead>
<tbody>
<tr>
<td>3804 Carnation Street, Franklin Park, IL 60131</td>
<td>Tel: 847-260-4000 / Fax: 847-260-4005</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Synonym</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>Artisan FlexWrap Glaze Top</td>
</tr>
<tr>
<td>Material Uses</td>
<td>Industrial applications: Cyanoacrylate adhesive</td>
</tr>
</tbody>
</table>

| In Case of Emergency             | Infotrac: 800-535-5053 |

Section 2. Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Ethyl 2-cyanoacrylate</td>
<td>7085-85-0</td>
<td>90-95</td>
<td>TWA: 0.2 (ppm) from ACGIH (TLV)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 1 (mg/m³) from ACGIH (TLV)</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Physical State and Appearance: Liquid. (Transparent Liquid.)

Emergency Overview:
- **EMERGENCY OVERVIEW**
- 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.

- Wear suitable protective clothing and gloves. Store and use away from heat, sparks, open flame, or any other ignition source (See section 8).

Routes of Entry: Inhalation.

Potential Acute Health Effects
- **Eyes**: Slightly hazardous in case of eye contact (irritant).
- **Skin**: Bonds skin instantly.
- **Inhalation**: Concentrated vapors are hazardous if inhaled.
- **Ingestion**: No known hazard

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/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 Point | 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 evaporate 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 alkalis.

**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**
1. 2-Propenonic acid, 2-cyano-, ethyl ester

**Exposure Limits**
- 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

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

*Continued on Next Page*
Odor Threshold: Not available.
Evaporation Rate: Not available.
VOC: Not available.
Viscosity: Kinetic: 85 cP
LogKow: Not available.
Inxicity (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 alcalis, 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: Continuous 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 respiratory tract. Under normal conditions of use of this product, no respiratory protection is required. Approved 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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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.

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, Ill.
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

<table>
<thead>
<tr>
<th>Label Requirements</th>
<th>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.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
<td>C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>National Fire Protection Association (U.S.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health 2</td>
</tr>
</tbody>
</table>

### 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.


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.