# Material Safety Data Sheet

**Product:**
BRUSH-ON 5 SECOND NAIL GLUE

**Date Prepared:** 8/29/00  
**Prepared By:** Naran Patel

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

### COMPONENTS - Chemical Name & Common Names

<table>
<thead>
<tr>
<th>(Hazardous Components 1% or greater, Carcinogens 0.1% or greater)</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS RECOMMENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-Cyanoacrylate (CAS No. 7085-85-0)</td>
<td>UNK.</td>
<td>UNK.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Non-Hazardous Ingredients

<table>
<thead>
<tr>
<th></th>
<th>100</th>
</tr>
</thead>
</table>

## SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boiling Point</strong></td>
<td>105° F</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong> (H₂O = 1)</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong> (mm Hg and Temperature)</td>
<td></td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>approx. -40° C</td>
</tr>
<tr>
<td><strong>Vapor Density</strong> (Air = 1)</td>
<td>Not Determined</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong> (Air = 1)</td>
<td>Not Determined</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Insoluble (Liquid polymerizes in water)</td>
</tr>
<tr>
<td><strong>Appearance and Odor</strong></td>
<td>Clear liquid, pungent odor</td>
</tr>
</tbody>
</table>

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Point and Method Used</strong></td>
<td>181.4°F (PMCC)</td>
</tr>
<tr>
<td><strong>Auto-Ignition Temperature</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability Limits in Air % by Volume</strong></td>
<td></td>
</tr>
<tr>
<td><strong>LEL</strong></td>
<td></td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Extinguisher Media:** Foam, carbon dioxide or dry chemical

**Special Fire Fighting Procedures:** Water will intensify polymerization to the liquid, and gives an exothermic reaction. Wear full self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** None

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NA = not available
SECTION 4 - REACTIVITY HAZARD DATA

STABILITY
- Stable
- Unstable

Conditions to Avoid:
- Moisture, water, excess heat, open.

Incompatibility (Materials to Avoid):
- Water, weak base, alcohols

Hazardous Decomposition Products:
- Acid, carbon monoxide, carbon dioxide, cyanide compound

HAZARDOUS POLYMERIZATION
- May Occur
- Will Not Occur

Conditions to Avoid:
- Water, weak base, alcohols, heat

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY

Inhalation
Skin Absorption
Ingestion

Absorption
Not Hazardous

Carcinogen Listed In
- NTP
- IARC
- OSHA
- Not Listed

HEALTH HAZARDS

Acute: Eye irritation, bonds skin instantly
Chronic: Not known

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure:

EMERGENCY FIRST AID PROCEDURES -

Eye Contact: In case of eye contact, hold eyelid open and flush with water for 15 minutes. Consult a physician immediately.

Skin Contact: In case of skin contact, do not pull, use glue remover.

Inhalation:

Ingestion:

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type):

Protective Gloves:

Eye Protection:

VENTILATION

Local Exhaust
Mechanical (general)
Other (specify)

TO BE USED

Special

Other Protective Clothing and Equipment: Polyethylene gloves, safety goggles.

Hygienic Work Practices: Medical surveillance and employee training proposed to be required.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released:

Eliminate all sources of ignition. Evacuate the area, recover as much material as possible, soak up the remainder with absorbent materials. Ventilate area. Wear self-contained breathing apparatus, rubber boots and polyethylene gloves when cleaning up.

Waste Disposal Methods:

Dispose according to Federal, State and Local regulations.

Precautions to be Taken in Handling and Storage:

Keep container closed while not in use. Keep away from heat and flame. Store in a cool place.

Other Precautions and/or Special Hazards:

None

NA = not available

NFPA Rating*          Health_____ Flammability_____ Reactivity_____ Special_____

HMIS Rating*          Health_____ Flammability_____ Reactivity_____ Personal Protection_____

* optional