1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product SDS Name** Instant Cyanoacrylate Adhesive

**J-B Weld FG SKU Part Numbers Covered**

33102, 33104, 33106, 33128

**J-B Weld Product Names Covered**

SuperWeld™ (all)

**J-B Weld Product Type**

Cyanoacrylate

**Recommended use of the chemical and restrictions on use**

- **Recommended Use**: General Purpose Adhesive
- **Uses advised against**: No information available

**Details of the supplier of the safety data sheet**

- **Supplier Name**: J-B WELD COMPANY, LLC
- **Supplier Address**: 1130 COMO ST SULPHUR SPRINGS, TX 75482 USA
- **Emergency Telephone Numbers**
  - Transportation Emergencies: Chemtrec (24 hour transportation emergency response info): 800-424-9300 or 703-527-3887
  - Poison/Medical Emergencies: Poison Control Centers (24 hour emergency poison / medical response info): 800-222-1222
- **Supplier Email**: info@jbweld.com
- **Supplier Phone Number**: 903-885-7696

---

2. HAZARDS IDENTIFICATION

2.1. **Classification of the substance or mixture**

- **GHS-US classification**
  - Flam. Liq. 4 H227
  - Skin Irrit. 2 H315
  - Eye Irrit. 2A H319
  - STOT SE 3 H335
2.2. Label elements

GHS-US labelling:

Hazard pictograms (GHS-US):

- GHS07

Signal word (GHS-US):

Warning

Hazard statements (GHS-US):

- H227 - Combustible liquid
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

Precautionary statements (GHS-US):

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
- P271 - Use only outdoors or in a well-ventilated area
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P501 - Dispose of contents/container to local, regional, national, and international regulations.

Precautionary phrases:

- CYANOACRYLATE. DANGER. BONDS SKIN AND EYES IN SECONDS. KEEP OUT OF REACH OF CHILDREN!

2.3. Other hazards

This product is not identified as a PBT substance.

WARNING: Cyanoacrylate. Eye irritant. Bonds skin and eyes in seconds. This adhesive gives a virtually immediate, strong bond: apply only to surfaces to be bonded. Do not get adhesive on your skin or other parts of your body, or that of others. In case of body contact, flush with water. Seek medical attention for any eye or internal contact. Keep out of the reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Full text of H-phrases: see section 16

3.2. Hazardous components

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| ethyl-2-cyanoacrylate | (CAS No) 7085-85-0 | > 90 | Flam. Liq. 4, H227  
|                     |                    |    | Skin Irr. 2, H315  
|                     |                    |    | Eye Irr. 2A, H319  
|                     |                    |    | STOT SE 3, H335  |
4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.

First-aid measures after inhalation: Overexposure may be irritating to the respiratory system. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Do not pull bonded skin apart. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Do not remove clothing if it sticks to the skin. Contact through clothing can cause immediate polymerization, exothermic reaction and burning. Removal of clothing can remove bonded skin. Submerge with water and soak affected area. Wear a plastic (not cotton) apron for added protection. Get immediate medical advice/attention. If the lips are accidentally bonded, apply warm soapy water, encourage maximum wetting and pressure from saliva inside the mouth and peel or roll lips apart. DO NOT TRY TO PULL LIPS APART. Burn: should be treated normally after the lump of cyanoacrylate is released from the tissue.

First-aid measures after eye contact: Immediately flush with warm water for at least 15 minutes, get prompt medical attention and apply gauze patch. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect which will help de-bond the adhesive. Keep eye covered until de-bonding is complete (usually with 1-4 days). Get immediate medical attention.

First-aid measures after ingestion: This route is not likely. Material will rapidly polymerise in the mouth prior to ingestion. Ensure breathing passages are not obstructed. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Irritation of the eye tissue. Causes skin and eye irritation. Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation: May cause drowsiness or dizziness. May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause irritation to skin. Cyanoacrylate bonds skin and eyes in seconds. In the case of large spills on the skin, superficial burns may occur. Contact through clothing can cause immediate polymerization, exothermic and burning.

Symptoms/injuries after eye contact: Causes eye irritation. Bonds eyes in seconds. Goggles or safety glasses are recommended.

Symptoms/injuries after ingestion: Ingestion unlikely. Material will rapidly polymerise in the mouth prior to ingestion.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media


Unsuitable extinguishing media: Solid water jet ineffective as extinguishing medium. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Combustible liquid.

Explosion hazard: In combustion emits toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides.

Reactivity: No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Use a water spray to cool exposed surfaces and to protect fire-fighters. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow run-off from fire fighting to enter drains or water courses.
6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate the area immediately. Ensure adequate ventilation. Avoid all contact with skin, eyes, or clothing. Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For non-emergency personnel


6.1.2. For emergency responders


6.2. Environmental precautions

Do not allow water (or moist air) contact with this material. Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Collect spillage.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Use only non-sparking tools. Notify experts. Collect spillage. Or flood with water slowly to complete polymerization (~10:1, adhesive : water). Scrape off floor. Cured material can be disposed of as non-hazardous waste.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact of substance with water. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Observe very strict hygiene - avoid contact. Use only outdoors or in a well ventilated area. Use personal protective equipment as required. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures: Do not eat, drink or smoke in areas where product is used. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.


Storage temperature: Refrigerated storage (2°C to 8°C) is recommended for optimum shelf life.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical</th>
<th>USA ACGIH ACGIH TWA (ppm)</th>
<th>USA ACGIH ACGIH STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl-2-cyanoacrylate (7085-85-0)</td>
<td>0.2 ppm</td>
<td>0.2 ppm</td>
</tr>
</tbody>
</table>
8.2. Exposure controls
Appropriate engineering controls: Ensure all national/local regulations are observed. Avoid all unnecessary exposure.

Materials for protective clothing: Keep suitable chemically resistant protective clothing readily available for emergency use.
Hand protection: Wear chemically resistant protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear appropriate mask.
Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Colorless liquid.
Colour: Colourless.
Odour: Irritating. sharp.
Boiling point: > 300 °F
Flash point: > 176 °F
Self ignition temperature: > 450 °C
Vapour pressure: < 0.5 mmHg @75°F
Specific gravity: 1.06
Solubility: Reacts with water. Soluble in Acetone.
Evaporation rate: Negligible

10. STABILITY AND REACTIVITY

10.1. Reactivity
No dangerous reactions known under normal conditions of use.

10.2. Chemical stability
Stable under normal conditions. Polymerises rapidly with water.

10.3. Possibility of hazardous reactions
Hazardous reactions will not occur under normal conditions. Polymerization may occur on exposure to conditions or materials listed below. Polymerization can be rapid.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Negligible ecotoxicity.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl-2-cyanoacrylate (7085-85-0)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg bodyweight (Rat; Experimental value, Rat: Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg bodyweight (Rabbit; Experimental value, Rabbit: Experimental value)</td>
</tr>
</tbody>
</table>

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general : Negligible ecotoxicity.

### 12.2. Persistence and degradability

#### Instant Cyanoacrylate Adhesive

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>No data available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl-2-cyanoacrylate (7085-85-0)</td>
<td></td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

**Instant Cyanoacrylate Adhesive**

<table>
<thead>
<tr>
<th>Bioaccumulative potential</th>
<th>No bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl-2-cyanoacrylate (7085-85-0)</td>
<td></td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil

Considered very low due to rapid polymerization with water.

### 12.5. Other adverse effects

Other information : Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste treatment methods</th>
<th>Remove waste in accordance with local and/or national regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewage disposal recommendations</td>
<td>Do not discharge into drains or the environment.</td>
</tr>
<tr>
<td>Waste disposal recommendations</td>
<td>Transfer to a suitable container and arrange for collection by specialized disposal company. Or polymerize adhesive slowly with water (~10:1, adhesive : water). Harden product can be disposed of as non-hazardous waste by licensed contractors. Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

## 14. TRANSPORT INFORMATION

In accordance with DOT

<table>
<thead>
<tr>
<th>Transport document description</th>
<th>NA1993 Combustible liquid, n.o.s., 9, III</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No. (DOT)</td>
<td>UN3334</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Immediate (acute) health hazard Delayed (chronic) health hazard</td>
</tr>
</tbody>
</table>

**ethyl-2-cyanoacrylate (7085-85-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory
15.2. International regulations

CANADA

WHMIS Classification

Hazard Class B.3, D.2B

EU-Regulations


Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315
Eye Irrit. 2A H319
STOT SE 3 H335

15.2.2. National regulations

No additional information available

15.3. US State regulations

Proposition 65 No Significant Risk Levels (NSRLs): This product contains no ingredient under Proposition 65 that is classified as a significant risk.

ethyl-2-cyanoacrylate (7085-85-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

16. OTHER INFORMATION

Data sources


Other information

: None.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

WARNING: CYANOACRYLATE. DANGER. BONDS SKIN AND EYES IN SECONDS. KEEP OUT OF REACH OF CHILDREN!

HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 2 Moderate Hazard
Physical : 1 Slight Hazard

SDS US (GHS HazCom 2012)

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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