

# Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-15

## Section 1 - Product and Company Information

**Product Name:** Insta-Weld 2 (thick)

**Product Part Number(s):** 2250-16,

**Recommended Use:** Instant adhesive.

**COMPANY IDENTIFICATION:**

Polyvance  
1128 Kirk Rd.  
Rainsville, AL 35986

**Information email:** info@polyvance.com

**EMERGENCY TELEPHONE NUMBER:**

**24 Hour Emergency contact:** Chemtrec: 1-800-424-9300  
Outside US: 703-527-3887

**Customer Information Number:** 256-638-4103 (7AM - 4PM (CST) M-F)

## Section 2 - Hazards Identification

**Appearance:** Clear liquid

**Odor:** Pungent

**Hazard Statement:**

WARNING! Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Signal Word:** WARNING!

**Signal Word Hazard:**

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
Not Applicable	 Irritant	Not Applicable

### GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H315	Causes skin irritation
Health	H319	Causes serious eye irritation
Health	H335	May cause respiratory irritation

**Precautionary Statement:**

Wear protective gloves/protective clothing/eye protection/face protection. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation occurs: Get medical advice/attention. Store in a well ventilated place. Keep container tightly closed. Dispose of contents/container as hazardous or special waste.

### GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Prevention	P280	Wear protective gloves/protective clothing/eye protection/face protection
Response	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Response	P332+313	If skin irritation occurs: Get medical advice/attention
Response	P305+351+33	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
Storage	P403+233	Store in a well ventilated place. Keep container tightly closed
Disposal	P501	Dispose of contents/container as hazardous or special waste

## Potential Health Effects

## Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Ethyl Cyanoacrylate	7085-85-0			95-100%

## Section 4 - First Aid Measures

<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause an abrasive damage.
<b>Skin Contact:</b>	Wash with plenty of soap and water. Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If still feeling unwell seek medical attention.
<b>Ingestion:</b>	Ensure that breathing passages are not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

## Section 5 - Firefighting Measures

<b>Extinguishing Media:</b>	Dry powder, foam, carbon dioxide, fine water spray.
<b>Hazardous Combustion Products:</b>	Trace amounts of toxic fumes may be released on incineration. Hazardous combustion products: oxides of carbon, oxides of nitrogen, irritating organic vapors.
<b>Fire Fighting Procedures:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing.

## Section 6 - Accidental Release Measures

<b>Personal Precautions:</b>	Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/ face
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protection. Avoid skin and eye contact. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Environmental  
Precautions:**

Do not let product enter drains.

**Methods for  
Containment:**

Do not use clothes for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

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## Section 7 - Handling and Storage

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**General Handling  
Practices:**

Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Ventilation (low level) is recommended when using large volumes. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands thoroughly after handling.

**Storage Requirements:**

For optimum shelf life store in original containers under refrigerated conditions at 2 C (36 F) to 8°C (46 F). Store locked up.

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## Section 8 - Precautions to Control Exposure / Personal Protection

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Component	Source	Type	Value	Remarks
Ethyl Cyanoacrylate				
Ethyl Cyanoacrylate	UK	STEL	0.3 ppm	

### Personal Protective Equipment (PPE):

**Eye / Face Protection:** Wear protective glasses.

**Skin Protection:**

In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. The use of chemical resistant gloves such as Nitrile is recommended. Polyethylene or polypropylene gloves are recommended when using large volumes. Do not use PVC, rubber, nylon or cotton gloves.

**Respiratory Protection:**

Ensure adequate ventilation.

**Hygienic Measures:**

Good industrial hygiene practices should be observed. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

**Engineering Controls:**

Provide adequate ventilation in area of use. Do NOT use this product in an enclosed or poorly ventilated area. Local exhaust ventilation is normally required when handling or using this product to keep airborne powder below the nationally authorized limits. If ventilation alone cannot control exposure, respiratory protection must be used.

**HMIS Personal  
Protection:**

C



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## Section 9 - Physical and Chemical Properties

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**Appearance:** Clear liquid

**Color:** Clear

**Odor Threshold:** Not determined

**pH:** Not determined

**Melting Point:** -31 C (-24 F)

**Freezing Point:** Not available

**Boiling Point:** 214 C (417 F)  
**Boiling Range:** Not available  
**Flash Point:** 82.5 C (180 F)  
**Evaporation Rate:** Not available  
**Flammability:** Not Flammable  
**Upper Flammability Limit:** Not applicable  
**Lower Flammability Limit:** Not applicable  
**Vapor Pressure:** < 21 Pa (<0.16 MMhG)  
**Vapor Density:** Not determined  
**Specific Gravity:** 1.043 g/cm<sup>3</sup>  
**Solubility in Water:** <0.024 mg/l  
**Partition Coefficient:** Log Pow 0.776 (calculated)  
**Autoignition Temperature:** Not available  
**Decomposition Temperature:** Not determined  
**Viscosity:** Not available

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## Section 10 - Stability and Reactivity

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**Chemical Stability:** Stable under normal conditions of storage and use.

**Conditions to Avoid:** Moisture, humidity, basic material

**Incompatible Materials:** Water, soil, amines, alkalis and alcohols.

**Hazardous Decomposition Products:** Oxides of carbon, oxides of nitrogen.

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## Section 11 - Toxicological Information

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**Ingestion Toxicity:** LD50 (oral, rat) > 5000 mg/kg bw (OECD 401)

**Skin Absorption:** LD50 (dermal, rabbit) > 2000 mg/kg bw (OECD 402)

**Inhalation:** In dry atmosphere with < 50% humidity, vapors may irritate the eyes and respiratory system. Prolonged exposure to high concentrations of vapors may lead to chronic effects in sensitive individuals.

**Sensitization:** Due to polymerization at the skin surface allergic reaction is not considered possible. The polymerized material is not able to penetrate into the epidermis.

**Carcinogenicity:** Not carcinogenic

**Reproductive:** Not toxic by reproduction.

**Genetic:** Because of the reduced exposure to monomer and the reported negative test result in various mutagenicity tests, ethyl-2-cyanoacrylate cannot be classified as mutagen.

**Eye Irritation:** Irritating to eyes. In a dry atmosphere (RH<50%) vapors may cause irritation and lachrymatory effect.

**Skin Irritation:** Causes skin irritation.

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## Section 12 - Ecological Information

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**EcoToxicity:** Low ecotoxicity

**Persistence/Degradability:** Not applicable (the test compound would polymerize with contact of water or the moisture of the soil immediately)

**Bioaccumulation:** Not applicable (in presence of moisture ethyl-2-cyanoacrylate polymerizes within seconds)

**Mobility / Partitioning:** Not applicable (the test compound would polymerize with contact of water or the moisture of the soil immediately)

Other Adverse Effects: Not determined.

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## Section 13 - Disposal Considerations

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**Disposal Method:** Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorized landfill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations. Polymerize by adding slowly to water (10:1). Contribution of this product to waste is very insignificant in comparison to article in which it is used

**Container Disposal:** After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated. Disposal must be made according to official regulations.

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## Section 14 - Transport Information

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### DOT

**Proper Shipping Name:** Not Regulated  
**Hazard Class:** Not Regulated  
**Identification Number:** Not Regulated  
**Packing Group:** Not Regulated

### IMDG (Maritime transport)

**Proper Shipping Name:** Not Regulated  
**IMDG Class:** Not Regulated  
**UN Number:** Not Regulated  
**Label:** Not Regulated

**Marine Polutant?:** No

### IATA (Air transport)

**Proper Shipping Name:** Liquid (Cyanoacrylate ester)  
**ICAO / IATA Class:** 9  
**UN / ID Number:** Not Regulated

**Packing Group** Packaging instructions (passenger and cargo): 906  
**Additional IATA Shipping Information:** Classification: (Cyanoacrylate ester), 9

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## Section 15 - Regulatory Information

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Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)  
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available  
Delayed (Chronic) Health Hazard: Not available  
Fire Hazard: Not available  
Reactive Hazard: Not available  
Sudden Release of Pressure: Not available

The following lists hazardous components and the regulatory lists for which they are required to be reported.

**Component:** Ethyl Cyanoacrylate

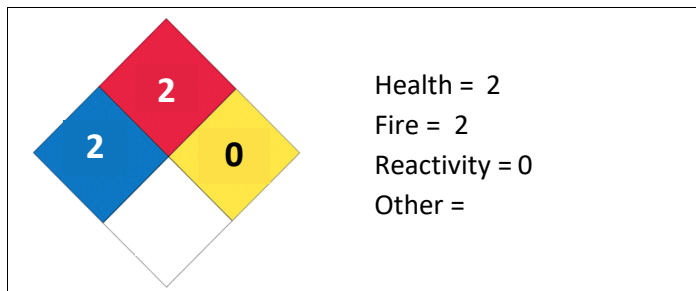
**CAS:** 7085-85-0

**Amount:** 95-100%

### HMIS Rating (0 - 4)

<b>HEALTH</b>	<b>2</b>	Health = 2
<b>FIRE</b>	<b>2</b>	Fire = 2
<b>PHYSICAL</b>	<b>0</b>	Physical = 0
<b>PERSONAL PROTECTION</b>	<b>C</b>	Personal Protection = C

### NFPA Ratings



## Section 16 - Other Information

### Legend

ACGIH	American Conference of Governmental Hygenists
CAS	Chemical Abstract Service
CFR	Code of Federal Regulations
GHS	Global Harmonized System
HMIS	Hazardous Materials Identification System
IATA	International Air Transport Associations
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

### DISCLAIMER

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