

### SECTION 1: IDENTIFICATION

**Product name:** Prevail™ 30-GS

**Synonyms:** Ethyl Cyanoacrylate

**Product use description:**  
Repair adhesive

**Company:**

Metroflor® Corporation  
119 Thomas St.  
Calhoun, GA 30701  
(888) 235-6672

**Emergency contact:**  
Chemtrec (800) 424-9300

### SECTION 2: HAZARD(S) IDENTIFICATION

**Classification:** Flammable Liquid - Category 4  
Eye Irritant - Category 2A  
Skin Irritant - Category 2  
Target Organ Toxicity (Single exposure) - Category 3  
Skin Sensitization - Category 1

**Pictogram:**



**Signal word:** Warning

**Hazard statements:**

H315: Causes skin irritation  
H319: Causes serious eye irritation  
H317: May cause an allergic skin reaction  
H335: May cause respiratory  
H227: Combustible liquid

**Precautionary phrases:**

**Cyanoacrylate. Danger. Bonds to skin and eyes in seconds. Keep out of reach of children.**

**Precautionary statements:**

**Prevention:**

P264: Wash skin and hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.

**Response:**

P370: In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.  
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.  
P313: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362: Take off contaminated clothing and wash before reuse.  
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

**Risk:**

R36/37/38: Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

S2: Keep out of reach of children.  
S23: Do not breathe vapor/mist/fumes.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

7944L501: Dispose of in a manner consistent with federal, state, and local regulations.

HMIS Rating: **HEALTH 2**

**FLAMMABILITY 2**

**PHYSICAL HAZARD 1**

**Other hazards:**

PBT: This product is not identified as a PBT/vPvB substance.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<i>Component</i>	<i>CAS-No.</i>	<i>Weight %</i>
Ethyl-2-Cyanoacrylate	7085-85-0	80-100
Polymethyl methacrylate	9011-14-7	10-20

\*If Chemical Name/CAS No. is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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### SECTION 4: FIRST-AID MEASURES

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Skin contact:** Wash with soap and water. Peel or roll skin apart.

**Inhalation:** Remove to fresh air. Prolonged or repeated elevated exposure may cause allergic reactions with asthma-like symptoms in sensitive individuals.

**Ingestion:** Peel or roll skin apart. Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after detachment. Not a toxic product.

**Effects of overexposure:**

**Eyes:** Causes serious eye irritation. Will bond eyelids. Will cause excessive tearing.

**Skin:** Bonds skin in seconds. May cause skin irritation. May cause sensitization by skin contact. Cyanoacrylates generate heat on polymerization, so very large amounts will burn the skin.

**Ingestion:** Adhesive becomes solid in contact with saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Not a toxic product.

**Inhalation:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**Acute toxicity:** Avoid exposure to vapor concentration in confined areas.

**Chronic effects:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**Notes to physician:** No data available

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## SECTION 5: FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical extinguisher or flush with large amounts of water.

**Unsuitable extinguishing media:** No data available

**Specific hazards during fire fighting:** Combustible liquid and vapor. Product polymerized to solid by water.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**Further information:**

**Flammable class:** GHS Flammable liquid, Category 4

**Hazardous thermal decomposition products:** Combustible by-products of carbon monoxide/dioxide.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** No data available

**Environmental precautions:** None known

**Methods for cleaning up:** Small Spill: Polymerize with water. Solid material may be scraped from surface.

Large Spill: Polymerize with water. Increase ventilation to area. Solid material may be scraped from surface.

**Methods for containment:** No data available

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## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

**Conditions for safe storage:** Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition. Ideal storage: 41-50F (5-10C). Shelf life is 1 year from date of shipment.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>			
	<b>Exposure Limits</b>		
<b>Ingredient</b>	<b>OSHA-PEL</b>	<b>ACGIH-TLV</b>	
Ethyl-2-Cyanoacrylate	Not available	0.2 ppm	1.0 mg/m <sup>3</sup>

**Engineering measures:** Use only in a well ventilated area. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**Eye and face protection:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash proof goggles.

**Hand protection:** Use Nitrile gloves and aprons to prevent contact. Do not use PVC, Nylon or Cotton materials.

**Skin and body protection:** Use Nitrile gloves and aprons to prevent contact. Do not use PVC, Nylon or Cotton materials.

**Respiratory protection:** Use only in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Recommended: Full-face NIOSH-approved respirator with organic vapor cartridge.

**Work/Hygiene practices:** Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap and water after use.

**Other:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, opaque, slight, liquid
Odor	Characteristic odor, intensely irritating
Odor threshold	1ppm
pH	Not applicable
Melting point/freezing point	Not available
Initial boiling point & range	>149° C (300° F)
Flash point	80° C (176° F) to 93.4° C (200° F) TAG CC
Evaporation rate	Not established
Flammability	Not available
Upper explosive limit	Not available
Lower explosive limit	Not available
Vapor pressure	<0.2mm Hg
Vapor density	Not available
Relative density	Not available
Solubility (in water)	Insoluble
Auto-ignition temperature	485° C (905° F)
Decomposition Temperature	Not available
Viscosity	Not available
VOC (g/L)	<20 g/L (California SCAQMD Method 316B)
Partition coefficient (n-octanol/water)	Not available
% Solids (by weight)	Not available
% Volatile (by weight)	Not available
Specific Gravity	@ 25° C: 1.07 g/mL

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## SECTION 10: STABILITY AND REACTIVITY

**Conditions of reactivity:**

**Incompatible materials:** Polymerized by water, alcohol, amines, alkaline materials.

**Chemical stability:** Stable.

**Possibility of hazardous reactions:** Possible polymerization reaction in the presence of water, amines, alkalis and alcohols.

**Conditions to avoid:** Avoid temperatures above 80° C (176° F), moisture and alkalines.

**Hazardous decomposition products:** Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition. Oxides of nitrogen and probably hydrogen cyanide are also possible.

**Other:** Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects – Product

**Acute toxicity:** No data available  
**LD50 and LC50 data:** No data available  
**Skin corrosion/irritation:** Irritating to skin. May cause allergic reaction with prolonged contact.  
**Serious eye damage/irritation:** Bonds skin and eyes in seconds. Eye irritant.  
**Respiratory or skin sensitization:** Possible skin sensitizer. Vapors may be irritating. Recommended TWA 0.2 ppm.  
**Germ cell mutagenicity:** No data available  
**Teratogenicity:** No data available  
**Carcinogenicity:** None known  
**Specific target organ toxicity (repeated exposure):** No data available  
**Reproductive toxicity:** No data available  
**Specific target organ toxicity (single exposure):** No data available  
**Aspiration hazard:** No data available  
**Symptoms/Injuries after inhalation:** Vapors may be irritating  
**Symptoms/Injuries after skin contact:** Causes skin irritation  
**Symptoms/Injuries after eye contact:** Eye irritant  
**Symptoms/Injuries after ingestion:** No data available  
**Chronic symptoms:** No data available

### Information on Toxicological Effects – Ingredients

#### **LD50 and LC50 data:**

<b>Ethyl-2-Cyano Acrylate</b>	
LD50 Oral Rat	>5000 mg/kg (Estimated)
LD50 Dermal Rabbit	>2000 mg/kg (Estimated)

**Effects of overexposure:** No data available

**Carcinogens or suspected carcinogenic ingredients:** Ethyl Cyanoacrylate is not listed as a carcinogen in the US National Toxicology Program Annual report on carcinogens, or by the International Agency for Research on Cancer.

**Numerical measure of toxicity:** No data available

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## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available  
**Persistence and degradability:** Biodegradable  
**Mobility in soil:** Readily absorb into soil  
**Bioaccumulation:** No bioaccumulative potential

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## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal:** This material must be disposed in compliance with local, state, and federal regulations. Check local and state regulations for disposal of this product as a household waste in your state or municipality.

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## SECTION 14: TRANSPORT INFORMATION

**DOT classification:** Not restricted  
**ADR/RID classification:** Not restricted  
**International Air Transportation (ICAO/IATA)**  
**Proper shipping name:** Not regulated (less than 500 mL). Aviation regulated liquid, N.O.S. (Ethyl Cyanoacrylate), UN3334, 9.  
**Hazard class or division:** 9  
**Identification number:** UN 3334

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## SECTION 14: TRANSPORT INFORMATION (CONTINUED)

**Packing group:** III

**Exceptions:** Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not restricted

**Hazard class or division:** None

**Identification number:** None

**Packing group:** None

**Exceptions:** No data available

**Canada Transport of Dangerous Goods:** Not restricted.

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## SECTION 15: REGULATORY INFORMATION

**SARA Title III:**

**311/312 Hazard Categories:** Immediate health, Delayed health, Fire, Reactive.

**313 Reportable Ingredients:** None above reporting de minimus.

**302/304 Emergency Planning:** None above reporting de minimus.

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Clean Air Act**

**40 CFR part 68 – Risk Management for Chemical Accident Release Prevention:** Not applicable

**TSCA:** All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

**Canadian regulations:**

**WHMIS Hazard Symbol and Classification:**



Combustible  
Liquid



Toxic

**WHMIS Class:** Class B3 – Combustible, D2B – Irritant

**Domestic Substance List (Inventory):** All components are listed on or are exempt from listing on the Domestic Substance List.

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## SECTION 16: OTHER INFORMATION

**Further Information:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision Date:** 1/29/2016