

Safety Data Sheet
Document Number: ETD-55

1 Identification

Product name: BluSeal

Product number: ET008

Supplier:

Recommended use of & restrictions on use:
Adhesive for sealing wire splices and terminals

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2 Hazard Identification

Classification of the substance or mixture according to 1910.1200:

Flammable Liquids	Category 4
Serious Eye Damage/ Eye Irritation	Category 2A

2.1 Label Elements

Pictograms

Exclamation mark

2.2 Signal word: Warning**2.3 Hazard statements**

Combustible liquid

Causes serious eye irritation

2.4 Precautionary statements**2.4.1 Prevention**

- Wash hands thoroughly after handling.
- Keep away from flames and hot surfaces. – No smoking.
- Wear protective gloves and eye protection.

2.4.2 Response

- In case of fire: Use dry chemical or carbon dioxide (CO₂) to extinguish.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

2.4.3 Storage

Store in a cool, well-ventilated place and keep container tightly closed. Store locked up.

2.4.4 Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.4.5 Hazards Not Otherwise Classified

Lachrymator - Rapid polymerization will occur on skin with heat. If a quantity is large, skin burn may occur.

3 Composition/Information on Ingredients

Chemical Name	Common Name/Synonyms	CAS Number	Concentration %
Isopropyl Cyanoacrylate		10586-17-1	10-20
Ethoxyethyl Cyanoacrylate		21982-43-4	50-70

*Non-hazardous ingredients are not listed and make up the balance of the product.

4 First-Aid Measures

4.1 Ingestion

Ensure airways are not obstructed. The product will polymerize upon contact with the mouth and be almost impossible to swallow. Saliva will slowly separate the product from the mouth. Do not induce vomiting. Immediately contact poison control center or hospital emergency room.

4.2 Inhalation

If inhaled, immediately seek fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

4.3 Skin

Wash material off the skin with plenty of water. If skin bonding occurs, soak in nail polish remover, acetone or warm water and carefully peel or roll the skin apart (do not pull).

4.4 Eyes

If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye or surrounding areas. Liquid BluSeal will sting eye temporarily. Solidified BluSeal may irritate like a grain of sand and should be treated by an eye doctor.

4.5 Most important symptoms/effects, acute and delayed

The most important symptoms or effects are described in Section 2 and 11.

4.6 Indication of immediate medical attention & special treatment needed

No data available.

5 Fire-Fighting Measures

5.1 Extinguishing media

5.1.1 Suitable

Use dry chemical, water spray or carbon dioxide (CO₂) to extinguish fire.

5.1.2 Unsuitable

No data available.

5.2 Special hazards arising from the chemical

Carbon oxides, nitrogen oxides

5.3 Special protective equipment and precautions for fire-fighters

Self-contained breathing apparatus with face piece and protective clothing if involved in a fire of other materials.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personal. Avoid breathing vapors. Ventilate area. Eliminate all sources of ignition.

6.2 Environmental Precautions

Prevent entry into natural bodies of water.

6.3 Methods and materials for containment and clean up

6.3.1 Containment

Spilled material may be taken up using sand or clay absorbent. Wipe and soak up with an absorbent material and remove to a chemical disposal area.

6.2 Clean-up

Eliminate all sources of ignition. Keep absorbent in a suitable, closed container and dispose of according to local regulations.

7 Handling and Storage

7.1 Precautions for safe handling

Bonds skin instantly. Keep away from skin and eyes. Avoid breathing vapors. Keep away from ignition sources. Prevent build-up of electrostatic charge. Wash thoroughly after handling.

7.2 Conditions for safe storage

Store in a cool, dry area away from sun and heat. Keep containers tightly closed. Exposure to small amounts, even air, causes polymerization and renders the product unusable. Keep away from heat, sparks, flames and other ignition sources.

7.3 Incompatibilities

Keep away from amines (derivatives of ammonia).

8 Exposure Controls/Personal Protection

8.1 Exposure guidelines

Component	NIOSH		ACGIH	OSHA	Unit
	TWA	STEL	TWA	PEL	
Isopropyl Cyanoacrylate	N.E.	N.E.	N.E.	N.E.	-
Ethoxyethyl 2- Cyanoacrylate	N.E.	N.E.	N.E.	N.E.	-

N. E. = Not Established *15-min

8.2 Engineering controls

The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices.

These techniques may not necessarily address all issues pertaining to your operations. We, therefore,

recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

8.3 Personal protective equipment

- Eye/face protection – Wear safety goggles.
- Skin protection – Wear impervious gloves as required to prevent skin contact.
- Respiratory protection – Where air contaminants can exceed criteria, use NIOSH approved respiratory protection equipment.

9 Physical and Chemical Properties

Category	Value
Appearance	Clear, blue liquid
Odor	Irritating
Odor threshold	No data available
pH	No data available
Melting point/freezing point	-19°C (-2°F)
Initial boiling point and boiling range	68°C (154°F)
Flash point	83°C (181°F)
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	0.17 mmHg (22.66 Pa) @ 20°C
Vapor density	> 1
Relative density	1.01 g/cm³ (Water = 1 @ 25°C)
Solubility	Insoluble in water (causes rapid polymerization)
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	11 cps @ 25°C
VOC content	0 g/L (SCAQMD Method 316B)

10 Stability and Reactivity

Category	Value
Reactivity	No data available
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	High humidity, high temperatures, ultraviolet rays
Incompatible materials	Water, alcohol, basic compounds such as amines (derivatives of ammonia)
Hazardous decomposition products	CO, CO ₂ , Nitrogen oxides

11 Toxicological Information

Category	Value
Information on likely routes of exposure	
Inhalation	May cause irritation
Ingestion	May be harmful if swallowed
Skin	Bonds skin instantly. May cause an allergic skin reaction
Eye	Causes serious eye irritation
Symptoms related to physical, chemical and toxicological characteristics	No data available.
Delayed and immediate effects & also chronic effects from short & long term exposure	No data available.
Numerical measures of toxicity	No data available.
Carcinogenicity	This product contains no components that have been reported to be carcinogenic based on its classification.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC.
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

12 Ecological Information

Category	Value
Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13 Disposal Considerations

Disposal should be in accordance with applicable local, regional and national laws and regulations.

13.1 Contaminated packaging

Dispose of as unused product.

14 Transport Information

Category	Value
UN number	Not a dangerous good.
UN proper shipping name	Not applicable.
Transport hazard classes	Not applicable.
Environmental hazards	No data available.
Transport in bulk	No data available.
Special precautions	No data available.

15 Regulatory Information

15.1 US Federal Regulations

15.1.1 SARA Title III: Section 311/312

- Fire hazard
- Immediate Health Hazard

15.1.2 SARA Title III: Section 313 & 40 CFR Part 372

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

- None required per SARA Title III Section 313

15.1.3 TSCA Section 8(b) Inventory

All reportable chemical substances are listed on the TSCA inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

15.1.4 California Prop. 65

WARNING: This product can expose you to chemicals including sulfur dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov/

Ingredient	CAS Number
Sulfur Dioxide	7446-09-5

15.2 Canadian Regulations

15.2.1 Workplace Hazard Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the SDS contains all the information required by the CPR.

- Class B, DIV 3
- Class D, DIV 2B

15.2.2 Canadian Environmental Protection Act (CEPA)

All reportable chemical substances are listed on the Domestic Substance List (DSL) or otherwise comply with CEPA new substance notification requirements.

15.2.3 National Pollutant Release Inventory

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16 (1), National Pollutant Release Inventory.

- None

16 Other Information

HMIS Rating		
Health: 2	Flammability: 2	0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe
Physical Hazard: 1		

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