

Sur-Vet® Secure Safety Data Sheet (SDS)

Section 1, Identification of the substance/mixture and of the company/undertaking

- **Product Identifier**

- **Product form:** Liquid Substance
- **Substance name:** Formulated Mixture of 2-octyl cyanoacrylate and n-butyl cyanoacrylate
- **CAS No.:** N/A
- **Formula:** N/A

Synonyms: 2-octyl cyanoacrylate, n-butyl cyanoacrylate, Sur-Vet® Secure

- **Intended Use of the Product:**

- **Use of the substance/mixture:** IV Catheter Securement
- **Name, Address, and Telephone of the Responsible Party:**
Adhezion Biomedical, LLC
506 Pine Mountain Road
Hudson, NC 28638
(828) 728-6116

- **Emergency Telephone Number:**

- **Emergency Number:**
1(800) 255-3924

Section 2, Hazard(s) identification

- **Classification of the substance or mixture**

- **GHS-US classification** Considered Exempt per GHS section 1.1.2.5 (iii)
- **Label elements/GHS-US labeling** – None

Section 3, Composition/information on ingredients

- **Substances**

Name	Product Identifier	%
2-octyl cyanoacrylate n-butyl cyanoacrylate	133978-15-1 6606-65-1	A mixture; in combination NLT 97%

Section 4, First-aid measures

- **Description of first aid measures**

- **First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- **First-aid measures after inhalation:** Assure fresh air breathing. Allow the victim to rest. If necessary, seek medical attention/advice.
- **First-aid measures after eye contact:** In case of contact with eyes, rinse immediately with plenty of warm soap solutions, acetone-based product or topical

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- ophthalmic ointments to help loosen the bond and seek medical attention/advice.
- **First-aid measures after skin contact:** Do not attempt to part bonded skin. If unintended bonding of the intact skin occurs, peel-off the adhesive but do not attempt to part the bonded skin. Rinse immediately with plenty of warm soap solutions, acetone-based product or topical ointments to help loosen the bond and seek medical attention/advice.
 - **First-aid measures after ingestion:** If the product is ingested ensure that the breathing pathway is not obstructed. The product will polymerize immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product after several hours. If there is gastric distress immediately call a POISON CONTROL CENTER/doctor: Get immediate medical advice/attention.
 - **Most important symptoms and effects both acute and delayed**
 - **Symptoms/injuries:** Eye irritation
 - **Symptoms/injuries after inhalation:** Potential shortness of breath
 - **Symptoms/injuries after eye contact:** May cause eye irritation
 - **Indication of any immediate medical attention and special treatment needed**
 - If medical attention is needed, have product container, label or instructions for use at hand

Section 5, Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing media:** Dry chemical powder, alcohol foam, carbon dioxide
 - **Unsuitable extinguishing media:** Do not use a heavy water stream. A heavy water stream may polymerize the material, making the area “sticky” until polymerized.
- **Special hazard arising from the substance or mixture**
 - **Explosion Hazard:** Emits toxic fumes under combustion
- **Advice for firefighters**
 - **Firefighting instructions:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
 - **Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6, Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - **General measures:** Use in a well-ventilated area. Handle in accordance with good industry hygiene and safety practice
- **For non-emergency personnel**
 - **Protective equipment:** Nitrile or Polyolefin gloves are the preferred protection where spills may occur on the hands. Proper protective eyewear should be used
 - **Emergency procedures:** Evacuate to a well-ventilated area.
- **For emergency responders**
 - **Protective equipment:** Nitrile or Polyolefin gloves are the preferred protection where spills may occur on the hands.
 - **Emergency procedures:** Use water spray to polymerize scrape off floor. Solidified material may be scraped from surfaces for disposal. Wear appropriate protective

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clothing. Prevent material from entering drains and watercourses. Ventilate area.

- **Environmental precautions**
 - Prevent entry to sewers and public waters
- **Method and material for containment and cleaning up**
 - **For containment:** Use water spray to polymerize substance.
 - **Methods of cleaning up:** Use water spray to polymerize substance. Solidified material may be scraped from surfaces for disposal. Wear appropriate protective clothing. Prevent material from entering drains and watercourses
- **Reference to other sections**

See heading 8, Exposure Controls and Personal Protection.

Section 7, Handling and storage

- **Precautions for safe handling**
 - **Precautions for safe handling:** Nitrile or Polyolefin gloves are the preferred protection where spills may occur on the hands. Proper eye protection should be used. Use in a well-ventilated area.
 - **Hygiene measures:** Handle in accordance with good industry hygiene and safety procedures. Wash hands and other exposed areas with warm mild soap and dry thoroughly with no residual moisture prior to handling the substance.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage conditions:** Store at room temperature in a dry, cool well-ventilated place. Keep container closed when not in use.
 - **Incompatible products:** Water, alkaline, amine or other base compounds.
 - **Incompatible materials:** Moisture or Water Sources. Direct sunlight.
 - **Maximum storage period:** 24 months
 - **Storage area:** Keep container in the original container in a cool, well-ventilated, dry location.
 - **Special rules on packaging:** Polymerizes in the presence of moisture. Avoid contact with eyes, skin and clothing. Avoid inhaling vapors on application. Avoid moisture, direct UV sunlight and prolonged storage above 30 °C (86 °F)
- **Specific end use(s)**
 - Medical Device – Topical Skin Adhesive/Liquid Bandage

Section 8, Exposure controls/personal protection

- **Control Parameters** – No data available
- **Exposure Controls**
 - **Engineering controls:** Use in well-ventilated area
 - **Personal protective equipment:** Avoid all unnecessary exposure.
 - **Eye protection:** Wear eye/face protection.
 - **Skin protection:** Wear suitable protective clothing (nitrile or polyolefin gloves)
 - **Hand protection:** Wear protective gloves. (nitrile or polyolefin gloves)
 - **Respiratory protection:** Not applicable for routine use.
 - **Other information:** Wear suitable protective clothing.

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- **Information on basic physical and chemical properties**

- **Physical state:** Liquid
- **Color:** Violet/blue tint
- **Odor:** Sharp
- **pH:** No data available
- **Relative evaporation rate:** No data available
- **Melting point:** No data available
- **Freezing point:** No data available
- **Boiling point:** 75-95 @ 0.5 Torr
- **Flash point:** Over 115 °F
- **Auto-ignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Flammability (solid, gas):** No data available
- **Vapor pressure:** less than 0.5 at 25 °C
- **Relative vapor density at 20 °C:** No data available
- **Relative density:** No data available
- **Specific gravity:** 0.96 g/ml
- **Solubility in Acetone:** Soluble
- **Solubility in Water:** Immiscible
- **Log Pow:** No data available
- **Log Kow:** No data available
- **Viscosity, kinematic:** Not available
- **Viscosity, dynamic:** 2-200cps
- **Explosive properties:** No data available
- **Oxidizing properties:** No data available
- **Explosive limits:** No data available

- **Other information**

No additional information available.

Section 10, Stability and reactivity

- **Reactivity:** No additional information available.
- **Chemical Stability:** Stable at recommended storage temperature.
- **Possibility of Hazardous Reactions:** Not established.
- **Conditions to Avoid:** Direct sunlight. Extremely high and low conditions (outside recommended storage conditions), water and moisture.
- **Incompatible Materials:** Water, alkaline, amine or other base compounds.
- **Hazardous Decomposition Products:** Trace amounts of formaldehyde

Section 11, Toxicological information

- **Information on toxicological effects:**

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- **Acute toxicity:** Cyanoacrylates are considered to have relatively low toxicity.
 - Acute oral LD50 is > 5000 mg/kg (rat).
 - Acute dermal LD50 (rabbit)>2000mg/kg.
- **Skin corrosion:** Not classified
- **Serious eye damage/irritation:** Cause eye irritation. In a dry atmosphere (RH<50%) vapors may cause irritation and lachrymatory effect.
- **Respiratory of skin sensitization:** Not classified
- **Germ cell mutagenicity:** Not classified
- **Carcinogenicity:** Not classified
- **Reproductive toxicity:** Not classified
- **Specific target organ toxicity (single exposure):** Not classified
- **Specific target organ toxicity (repeated exposure):** Not classified
- **Aspiration hazard:** Not classified
- **Symptoms/injuries after 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.
- **Symptoms/injuries after eye contact:** Causes eye irritation
- **Symptoms/injuries after ingestion:** Potentially cause obstruction of pathway based on where in the mouth the product polymerized.

Section 12, Ecological information*

- **Toxicity:** No additional information available
- **Persistence and degradability:** No additional information available
- **Bioaccumulative potential:** Biodegradable product of low ecotoxicity.
- **Mobility in soil:** No additional information available
- **Other adverse effects:**
 - Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 13, Disposal considerations*

- **Waste disposal recommendations:** Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an after burner and a scrubber but exert extra in igniting. Observe all federal, state, and local environmental regulations. Expelled product that is applied to patients as a topical skin adhesive/liquid bandage will eventually go to non-hazardous solid waste.
- **Additional information:** Handle empty containers with care because residual product in the container can be polymerized with exposure or addition of moisture/water.



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Section 14, Transport information*

- **UN Number:** None
- **UN Proper Shipping Name:** N/A
- **Packing group (DOT):** N/A
- **Hazard Classes:** N/A
- **Hazard Labels:** N/A
- **Environmental Hazards:** None
- **Special Precautions for User:** None

Section 15, Regulatory information* None

- **EPA TSCA Regulatory Flag:** Not listed on the US TSCA Inventory
- **State and Local Regulations:** Not listed on the "Right to Know" Hazardous substance list.

Section 16, Other information

- This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Globalized Harmonious System of Classification and Labelling of Chemicals (GHS ST/SG/AC 10/30 Rev.5).

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.