

MATERIAL SAFETY DATA SHEET

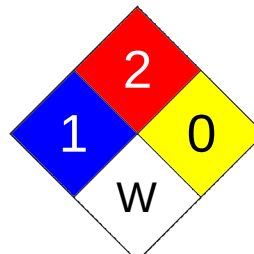
1. Product and Company Identification

Product Name Surgi-Lock 2oc
CAS # Mixture
Product use Instant Tissue Adhesive
Manufacturer Meridian Animal Health
4402 Malone Road
Memphis, TN 37118-2171 US
Phone: 1-866-374-0242
1-800-424-9300

CHEMTREC

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	2
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency overview WARNING
Combustible liquid. Keep away from heat and flame.
CAUSES EYE IRRITATION.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation.

Eyes Immediately bonds eyelids. Causes irritation, redness and tearing.

Skin Immediately bonds skin. May cause irritation.

Inhalation Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion Ingestion unlikely since the material will solidify in the mouth.

Target organs Eyes. Skin. Mucous membranes.

Chronic effects None known.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
2-octyl cyanoacrylate	Proprietary	90 - 100

4. First Aid Measures

First aid procedures

Eye contact Flush with warm water. If eyelids are bonded closed, release by covering the eye with a wet pad. Do not force eye open. The eye will open without further action, typically in one to two days.

Skin contact Soak in warm water and wash with soap. Do not pull skin apart. The material will come loose from the skin in several hours.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Not a normal route of exposure.

Notes to physician Treat patient symptomatically.

General advice	Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.
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5. Fire Fighting Measures

Flammable properties	Combustible by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Remove sources of ignition. Ventilate the contaminated area. Flood spill with water. Cured material can be scraped up and disposed of.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.
Storage	Keep out of reach of children. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
2-octyl cyanoacrylate	ACGIH-TLV Not established OSHA-PEL Not established
Engineering controls	Use only under good ventilation conditions or with respiratory protection.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields.
Hand protection	Polyethylene or non reactive gloves. Do not use cotton, PVC or wool.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Clear.
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Color	Colorless
Form	Liquid
Odor	Sharp irritating
Odor threshold	1-2 ppm
Physical state	Liquid
pH	Not available
Freezing point	Not available
Boiling point	> 148.88 °C (> 300 °F)
Flash point	85.00 °C (185 °F) Tag Closed Cup
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	< 0.2 mmHg
Vapor density	3 (Air=1)
Specific gravity	1.06 @20°C
Octanol/water coefficient	Not available
Solubility (H2O)	Negligible, polymerized by water.
Auto-ignition temperature	Not available
VOC (Weight %)	< 20 g/L (estimated)

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Polymerized by contact with water, alcohols, amines, and alkalis.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
2-octyl cyanoacrylate	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
2-octyl cyanoacrylate	Not available

Effects of acute exposure

Eye	Immediately bonds eyelids. Causes irritation, redness and tearing.
Skin	Immediately bonds skin. May cause irritation.
Inhalation	Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion	Ingestion unlikely since the material will solidify in the mouth.
Sensitization	Non-hazardous by OSHA criteria.
Chronic effects	Non-hazardous by OSHA criteria.
Carcinogenicity	Non-hazardous by OSHA criteria.
Mutagenicity	Non-hazardous by OSHA criteria.
Reproductive effects	Non-hazardous by OSHA criteria.
Teratogenicity	Non-hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity	Not available
Environmental effects	Not available

Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Review federal, provincial, and local government requirements prior to disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

IMDG (Marine Transport)

Not regulated as dangerous goods.

IATA/ICAO (Air)

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	9
UN number	8000



15. Regulatory Information

US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable.
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Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - Yes
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Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA)	Not available
Clean Water Act (CWA)	Not available
Safe Drinking Water Act (SDWA)	Not available
Drug Enforcement Agency (DEA)	Not available
Food and Drug Administration (FDA)	Not available
State regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		

16. Other Information

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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Prepared by	Dell Tech Laboratories Ltd. (519) 858-5021