

MSDS**Material Safety Data Sheet**

Jorgensen Laboratories, Inc.
1450 North Van Buren Ave.
Loveland, CO 80538

Product Codes: J299

Effective Date: January 1993

24 Hour Emergency Telephone:
1-800-535-5053 or 352-323-3500

Vet-Seal

All non-emergency questions may be directed to customer service @ (970)669-2500 or fax (970)663-5042

1) CHEMICAL CHARACTERIZATION

One-component adhesive on the basis of cyanoacrylic acid butyl ester.

Form: Liquid

Color: Green

Odor: Ester-like

2) PHYSICAL AND SAFETY DATA

Changes of State:	Boiling Range (1 mbar)	65-70°C
	Polymerization at room temperature on contact with atmospheric humidity or alkaline substances.	
Density:	(20°C)	1.0 g/cm
Vapor Pressure:	(20°C)	< 0.1 mbar
Viscosity:	(20°C)	15 mPa . s Brookfield spindle 3, 100rpm
Solubility:	<i>In water:</i> insoluble <i>In dimethyl formamide:</i> soluble <i>In acetone:</i> soluble	
pH Value:	(20°C)	7
Flash Point:	(20°C)	87°C
Ignition Temperature:	----	
Explosion Limits:	<i>Upper:</i> ---- <i>Lower:</i> ----	
Thermal Decomposition:	From 265°C on. None, when stored and handled according to regulations.	
Hazardous Decomposition Products:	None, when stored and handled according to regulations.	
Hazardous Reactions:	None, when stored and handled according to regulations.	

3) SAFETY MEASURES, STORAGE AND HANDLING

Technical Safety Measures: Store in cool, dry area.

Personal Protective Equipment: *Hand protection:* required

Eye protection: recommended

Fire and Explosion Protection: No particular measures required.

Caution! Do not inhale combustion gases.

Disposal: Polymerize with water or alkali. Subject to local, official regulations the polymer can be deposited or burnt together with household refuse.

4) MEASURES IN CASE OF ACCIDENTS AND FIRES

After Spilling/Leaking: Polymerize with water or alkali, then remove mechanically and dispose of according to regulations.

Extinguishing Media: Water, carbon dioxide, foam, powder.

First Aid:

Skin Contact: On unintentional skin contact, immediately wipe off the affected area mechanically and clean with water, soap, and pumice stone.

Eye Contact: On eye contact, immediately remove mechanically and irrigate with water. Consult doctor immediately.

Ingestion: Consult doctor immediately.

5) TOXICOLOGICAL DATA

When handling appropriately and observing the generally accepted rules of hygiene, no health hazards have become known.

Skin Contact: Vet-Seal is explicitly indicated for the closure of skin wounds. For information concerning the correct mode of application consult package insert enclosed in each package. Avoid contact with intact skin, as Vet-Seal will adhere to it, too.

Eye Contact: Contact with lacrimal fluid leads to immediate polymerization. The heat generated by this exothermic reaction slightly injures the cornea. From the existing experience the cornea regenerates in a few days. No serious permanent visual defect occurs.

Inhalation: May cause irritation of the mucous membrane in sensitive individuals.

Ingestion: No information available.

6) FURTHER INFORMATION

The information given under 3, 4, and 5 primarily does not refer to use and appropriate application of the product (see instructions for use and product information), but to the release of larger quantities in case of accidents and irregularities.

8) DISCLAIMER

Disclaimer of Expressed and Implied Warranties: Although the information presented herein is believed to be true and accurate, no warranty or guaranty, express or implied, is made regarding the information or the performance of any product. Since the conditions of use are beyond our control, all risks of use are assumed by the user. We assume no liability for incidental, consequential or direct damages of any kind, no matter what the cause.