

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

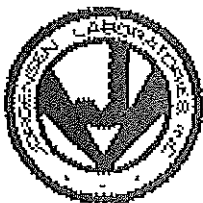
078323084

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078021315 078021323 078021331 078021349 078021356 078021364 078021372 078021380 078021398 078021406  
078021414 078021422 078021448 078021455 078021463 078021471 078021489 078300953 078335653 078398756  
078427864 078739581 078739847

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078081939 078081947 078083517

**MSDS****Material Safety Data Sheet**

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

**Sutures in Isopropanol**

Product Codes: J91, J91C

Effective Date **SEP 28 2009**

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

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

**NAME**

**Product Name:** Sutures in Isopropanol  
**Product Code:** J91, J91C  
**Chemical Family:** Alcohol Solvent

**COMPOSITION/ INFORMATION ON INGREDIENTS**

**Component:** Isopropyl Alcohol  
**CAS Number:** 67-63-0 OSHA  
**Exposure Limits:** 400 ppm TWA; 500 ppm STEL  
**Percent by Weight:** 90

**HAZARD IDENTIFICATION**

**Note:** All health and safety information below is based on Isopropanol.

**POTENTIAL HEALTH EFFECTS**

**Route(s) of Entry:** Skin, eye contact, inhalation and ingestion.

**Human Effects and Symptoms of Overexposure:**

*Eye Contact:* Moderate to Rabbit eye

*Skin Contact:* Mild to Rabbit skin

*Ingestion:* May cause drowsiness, unconsciousness, and death.

*Inhalation:* May cause irritation of the nose and throat. Exposure to high concentrations has a narcotic effect, producing symptoms of drowsiness, headache, staggering, unconsciousness and possibly death.

*Chronic Hazards:* Repeated exposure may cause mild irritation; drying and cracking of the skin, or contact dermatitis may develop.

*Carcinogenicity:*

NTP: No

IARC: No

OSHA: No

## FIRST AID MEASURES

**Skin:** Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water. Get medical attention if irritation occurs.

**Eyes:** Wash eyes immediately with large amounts of water for about 15 minutes. Get immediate medical attention.

**Ingestion:** Get medical attention immediately. If medical attention is not immediately available, and if victim is conscious, attempt to induce vomiting by touching finger to back of throat.

**Inhalation:** Remove from exposure area to fresh air immediately. If breathing has stopped give artificial respiration. If breathing is difficult administer oxygen. Get medical attention immediately.

## FIRE AND EXPLOSION DATA

**Flashpoint:** 53°F (12°C)

**Flammable Limits:**

LEL: 2.0 % by volume

UEL: 12.7% by volume

**Auto Ignition Limits:** 750°F (399°C)

**Extinguishing Media:** Dry chemical, Carbon dioxide, Water spray, or Alcohol resistant foam

**Special Fire Fighting Procedures:** Wear personal protective equipment, and self-contained breathing apparatus with full-face piece operated in pressure-demand or other positive pressure mode. Move container from fire area if possible. Cool fire-exposed containers with water from side until well after fire is out. Isopropanol vapor-air mixtures may explode even in empty, but not previously cleaned, containers.

## ACCIDENTAL RELEASE MEASURES

**Spill and Leak Procedures:** Remove ignition sources. Stop leak if it can be done without risk. Use water spray to reduce vapor. For small spills, take up with sand or other absorbent material and place in containers for later disposal.

## HANDLING AND STORAGE

**Handling:** Do not use in poorly ventilated or confined spaces without proper respiratory protection.

**Storage:** Store in tight containers, away from heat. Keep away from ignition sources; avoid electrostatic charges.

## EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Provide local exhaust ventilation or enclosure to meet permissible exposure limit requirements. Equipment should be explosion-proof.

**Respiratory Protection:** Use chemical cartridge respirator with an organic vapor cartridge and a full face-piece.

**Skin Protection:** Use protective gloves and clothing to avoid skin contact with Isopropanol.

**Eye Protection:** User must wear splash-proof safety goggles whenever there is a reasonable probability of liquid contact. Do not wear contact lenses when working with this product.

## PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Liquid  
**Color:** Colorless  
**Odor:** Alcoholic  
**Boiling Point:** 180°F (82°C)  
**Vapor Pressure:** 40mm Hg  
**Vapor Density (Air = 1.0):** 2.1  
**Solubility in Water:** Soluble  
**Specific Gravity:** 0.785 gm/ml

## STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal pressures at least up to the boiling point, 83°C.  
**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.  
**Polymerization:** None  
**Incompatibilities (materials to avoid):** Oxidizers, heat, flame, chlorine, hypochlorous acid, isocyanates, phosgene, hydrogen peroxide-sulfuric acid combination, aluminum.

## TOXICOLOGICAL INFORMATION

Oral rat LD50 > 5000 mg/kg  
Inhalation Rat LC50 16000 ppm/8 hr.

## DISPOSAL CONSIDERATIONS

Dispose of or incinerate, in accordance with regulations.

## TRANSPORT INFORMATION

(Not meant to be all-inclusive)

**DOT Shipping Name:** Isopropanol  
**NA/UN#:** UN 1219  
**Hazard:** Flammable liquid

## REGULATORY INFORMATION

(Not meant to be all-inclusive)

This product is on the TSCA Inventory.

## DISCLAIMER

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

**Manufacturer:**  
B. Braun Melsungen AG  
Am Schwerzelshof  
D-3508 Melsungen/ Germany

# MATERIAL SAFETY DATA SHEET

VEDCO, Inc.

Phone No. (816) 238-8840

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5503 Corporate Drive, St. Joseph, MO 64507

TranquiVed Injection, 20 mg/mL xylazine

MSDS Date: 1/14/98 (Original)

5/17/2011 (Revised)

**Product Name:** TranquiVed Injection, 20 mg/mL xylazine

## 1. INGREDIENTS: (% w/w), unless otherwise noted

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm	
			OSHA PEL	ACGIH TLV (mg/m <sup>3</sup> )
Xylazine hydrochloride	23076-35-9	2	Not established (NE)	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Only those ingredients composing  $\geq 1\%$  ( $\geq 0.1\%$  for carcinogens or suspect carcinogens) of the formula (w/w) and which have been identified as hazards are listed.

## 2. PHYSICAL DATA:

APPEARANCE: Liquid

COLOR: Colorless

ODOR: None

Other physical data have not been determined.

pH: 4.5-5.5

SPECIFIC GRAVITY: 1.0035-1.0065

## 3. FIRE AND EXPLOSION HAZARD DATA:

This has not been evaluated.

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical powder, or foam.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 4. REACTIVITY DATA:

This has not been evaluated. The product is stable under normal storage conditions. Exposure to sunlight should be avoided.

## 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Mop up and wash down area with water.

DISPOSAL METHOD: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

## 6. HEALTH HAZARD DATA:

EYES: This product may be absorbed through the conjunctiva.

SKIN: This product may be absorbed dermally.

RESPIRATORY: This product may be absorbed after inhalation.

INGESTION: This product may be absorbed after oral consumption.

EFFECTS: The effects of exposure resulting from absorption may include depression of respiration and a decrease in blood pressure.

SYMPTOMS: A person that has absorbed this product or through accidental parenteral injection has been exposed may experience some or all of the following: fatigue with ptosis (falling), muscle relaxation, decreased sensitivity to pain, pronounced dryness of mouth, paleness of skin.

# MATERIAL SAFETY DATA SHEET

VEDCO, Inc.

Phone No. (816) 238-8840

Page 2 of 2

5503 Corporate Drive, St. Joseph, MO 64507

TranquiVed Injection, 20 mg/mL xylazine

MSDS Date: 1/14/98 (Original)

5/17/2011 (Revised)

## 7. FIRST AID:

EYES: Flush with copious amounts of water for at least 15 minutes.

SKIN: Wash with soap and water.

INGESTION: Give liquids if conscious, induce vomiting, repeat until clear.

RESPIRATION: Move to fresh air. Provide artificial respiration if needed.

Seek medical attention immediately if excessive exposure occurs. A physician or a poison control center should be consulted.

## 8. HANDLING PRECAUTIONS:

During manufacturing or handling of liquid wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles and outer protective clothing.

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise reasonable care and caution.

## REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS for health and safety information.

**U.S. REGULATIONS: SARA HAZARD CATEGORY:** This product has been reviewed according to the federal EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to be exempt from reporting requirements. Nevertheless, potential reporters should check with their state emergency response commissions to determine if this product must be reported under applicable state requirements.