

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

**Jorgensen Laboratories, Inc.**  
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**Sutures in Isopropanol**

Product Codes: J91, J91C  
Effective Date: December 1992

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.

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