

# SDS

## Safety Data Sheet

**JORVEL™**



Jorgensen Laboratories, Inc.  
*Veterinary Specialties*  
1450 N. Van Buren  
Loveland, CO. 80538

### Sutures in Isopropanol (30ml in Cassettes)

Product Code: J0091C Catgut and J0091 Braunamid

Submission Date: 06/26/15

24 Hour Emergency Telephone:  
INFOTRAC: (800)535-5053

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

#### 2. Hazards Identification

Description of special hazards for human health and environment

Highly flammable.  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

#### 3. Composition/Information on ingredients

Chemical characterization (preparation )  
Suture material in cassette-packs with 30 ml isopropanol

##### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-661-7	67-63-0	Propan-2-ol	30 ml %	F, Xi R11-36-67

Full text of each relevant R phrase can be found in heading 16.

#### 4. First aid measures

##### General information

No hazards which require special first aid measures.

##### After inhalation

Move to fresh air in case of accidental Inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

##### After contact with skin

Wash with water and soap as a precaution.

##### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

##### After ingestion

Do not induce vomiting.

Induce vomiting only upon the advice of a physician.

Rinse mouth.

Consult a physician.

### **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

**Extinguishing media which must not be used for safety reasons**

Full water jet

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Fire may produce:

Carbon monoxide and carbon dioxide.

#### **Special protective equipment for fire-fighters**

In case of fire, wear suitable respiratory equipment with positive air supply.

Protective suit

#### **Additional information**

Cool containers at risk with water spray jet.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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### **6. Accidental release measures**

#### **Personal precautions**

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

#### **Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

#### **Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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### **7. Handling and storage**

#### **Handling**

##### **Advice on safe handling**

When using, do not eat, drink or smoke. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

##### **Advice on protection against fire and explosion**

Keep product and empty container away from heat and sources of ignition.

#### **Storage**

##### **Requirements for storage rooms and vessels**

Protect against direct sun radiation.

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##### **Advice on storage compatibility**

Incompatible with oxidizing agents.

##### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI)

3 A

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
	Propan-2-ol	500	1250		STEL (15 min)	WEL

**Additional advice on control parameters**

Ensure adequate ventilation, especially in confined areas.

**Exposure controls****Protective and hygiene measures**

When using, do not eat, drink or smoke.

Do not inhale vapours.

**Respiratory protection**

Not required.

**Hand protection**

Rubber gloves

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection**

Not required.

**Skin protection**

Not required.

**9. Physical and chemical properties****General Information**

Physical state	Liquid
Colour	Clear
Odour	Alcoholic

**Important health, safety and environmental information**

Test method

**Changes in the physical state**

Melting point	-89 °C	*)
Boiling point	82 °C	*)
Flash point	12 °C	*)

**Flammability**

Lower explosion limits 2 vol. %

\*)

Upper explosion limits

\*)

Ignition temperature

n.a.

Vapour pressure : 43 hPa

\*)

at (20 °C)

Density (at 20 °C) : 0,78 g/cm<sup>3</sup>

\*)

Water solubility :

Miscible

\*)

at (20 °C)

\*) All data refer to the solution

### **10. Stability and reactivity**

#### **Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Heating can release vapours which can be ignited.

#### **Materials to avoid**

Oxidizing agents.

#### **Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

#### **Additional information**

No decomposition if stored and applied as directed.

### **11. Toxicological information**

#### **Empirical data on effects on humans**

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

May cause irritation of the mucous membranes.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

### **12. Ecological information**

#### **Further information**

Do not flush into surface water or sanitary sewer system.

Ecological injuries are not known or expected under normal use.

Slightly water hazardous.

### **13. Disposal considerations**

#### **Advice on disposal**

Can be landfilled or incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

#### **Waste disposal number of waste from residues/unused products**

180106

WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH

(except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances

Classified as hazardous waste.

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

### **14. Transport information**

**Land transport (ADR/RID)**

ADR/RID class 3  
 Classification code : F1  
 Hazard-no. 33  
 UN number 1219  
 Hazard label 3  
 ADR/RID packing group II  
 Limited quantity : LQ 4

**Description of the goods**  
Isopropanol**Other applicable information (land transport)**

LQ 4: combination packaging: 3 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass).

**Inland waterways transport****Marine transport**

IMDG code 3  
 UN number 1219  
 Marine pollutant No  
 EmS F-E; S-D  
 Limited quantity : 1 L / 30 kg  
 IMDG packing group II  
 Hazard label 3

**Description of the goods**

ISOPROPANOL

**Other applicable information (marine transport)**

Limited quantities (chapter 3.4): combination packaging: 1 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass)

**Air transport**

ICAO/IATA-DGR 3  
 UN/ID number 1219  
 Hazard label 3  
 IATA-packing instructions - Passenger 305  
 IATA-max. quantity - Passenger 5 L  
 IATA-packing instructions - Cargo 307  
 IATA-max. quantity - Cargo 60 L  
 ICAO packing group II  
 Limited quantity Passenger Y305 / 1 L

**Description of the goods**

ISOPROPANOL

**15. Regulatory information****Labelling**

Additional advice on labelling

According to EC-rules and correspondent national legislation, this product, being a ready medicine, is not subject to mandatory identification.

**National regulatory information**

Water contaminating class (D) 1999/13/EC (VOC)

1 - slightly water contaminating  
30 ml

### 16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

#### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*