

# ISO ALCOOL 70%

## 1. IDENTIFICATION

Product name : **ISO ALCOOL 70%**

Product code : **09-25076** Other means of identification : Not available.

Supplier : CHIMISOL  
42 rue de l'Artisan  
Victoriaville, Qc  
G6P 7E3  
1-819-758-1541

Manufacturer : Manufactured for:  
CHIMISOL  
42 rue de l'Artisan  
Victoriaville, Qc  
G6P 7E3  
1-819-758-1541

Identified uses : Industrial applications: No-rinse alcohol-based sanitizer  
Approved for use in Food & Beverage plants.

Uses advised against : This product is not intended for domestic use.

Date of issue (YYYY-MM-DD) : 2019-10-08

**In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)**

## 2. HAZARDS IDENTIFICATION

Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.

Product Classification : **FLAMMABLE LIQUIDS - Category 2**  
**EYE IRRITATION - Category 2B**

Signal word : **Danger**

Hazard pictograms :



Hazard statements : Highly flammable liquid and vapors.  
Causes eye irritation.

### Precautionary statements

**General** : Highly flammable liquid and vapors. Handle with care. Read label before use. Keep out of reach of children.

**Prevention** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only in a well-ventilated area. Specific protective equipment is suggested for this product. See section 8 for details.

**Response** : Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Highly flammable liquid and vapors. Store away from combustibles, extreme heat and oxidizing agents. See section 7 for more informations.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : No additional information.

Other hazards which do not result in classification : None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Name	CAS number	% (w/w)
Isopropyl alcohol	67-63-0	60 - 80

Occupational exposure limits, if available, are listed in Section 8.

### 4. FIRST AID MEASURES

#### Description of required first aid measures

<b>Eye contact</b>	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention.
<b>Skin contact</b>	In case of irritation, rinse with water. Get medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.

#### Most important symptoms/effects, acute and delayed

<b>Eye contact</b>	Adverse symptoms may include the following: irritation watering redness
<b>Skin contact</b>	No specific symptoms under normal use conditions.
<b>Ingestion</b>	No specific symptoms under normal use conditions.
<b>Inhalation</b>	No specific symptoms under normal use conditions.
<b>Notes to physician</b>	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

<b>Suitable extinguishing media</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Specific hazards arising from the chemical</b>	Highly flammable liquid and vapors. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Special fire-fighting procedures</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.
<b>Personal protection</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Cleaning method</b>	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.
<b>Storage and Incompatibility</b>	Store in accordance with local regulations. Store in a segregated and approved area. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials (see Section 10).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

Ingredient name	Exposure limits
propan-2-ol	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>                      15 min OEL: 984 mg/m<sup>3</sup> 15 minutes.                      8 hrs OEL: 200 ppm 8 hours.                      15 min OEL: 400 ppm 15 minutes.                      8 hrs OEL: 492 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 6/2017).</b>                      TWA: 200 ppm 8 hours.                      STEL: 400 ppm 15 minutes.</p> <p><b>CA Ontario Provincial (Canada, 7/2015).</b>                      TWA: 200 ppm 8 hours.                      STEL: 400 ppm 15 minutes.</p> <p><b>CA Quebec Provincial (Canada, 1/2014).</b>                      TWAEV: 400 ppm 8 hours.                      TWAEV: 983 mg/m<sup>3</sup> 8 hours.                      STEV: 500 ppm 15 minutes.                      STEV: 1230 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b>                      STEL: 400 ppm 15 minutes.                      TWA: 200 ppm 8 hours.</p>

**Appropriate engineering controls** For manufacturing or industrial uses it can be appropriate to: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilating equipment.

### Individual protection measures

<b>Eye/face protection</b>	Continued or intense exposures might require to wear safety glasses. It is minimally suggested to wear safety glasses while using or handling this product.
<b>Hands and Body protection</b>	No specific protective equipment required under normal use conditions. Prolonged or severe exposures might require to wear chemical-resistant gloves. No special protective clothing is required.
<b>Respiratory protection</b>	No specific protective equipment required under normal use conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid. [Transparent liquid. ]	<b>pH</b>	Not available.	<b>Flash point</b>	Closed cup: 11.6°C (52.9°F) [Tagliabue.] Open cup: 30°C (86°F) [Cleveland]
<b>Color</b>	Colorless.	<b>Relative density</b>	0.856	<b>Melting point</b>	-88.5°C (-127.3°F)
<b>Odor</b>	Alcohol like.	<b>Viscosity</b>	Not available.	<b>Boiling point</b>	82.5°C (180.5°F)
<b>Odor threshold</b>	Not available.	<b>Vapor pressure</b>	Not available.	<b>Fire point</b>	: Not available.
<b>Solubility in water</b>	: Not available.	<b>Vapor density</b>	: Not available.	<b>Evaporation rate</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.	<b>Auto-ignition temperature</b>	: 399°C (750.2°F)		

Partition coefficient: n-octanol/  
water : Not available.

**Flammability (solid, gas)** : Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and oxidizing materials.  
Flammable in the presence of the following materials or conditions: combustible materials.  
Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition, it emits acrid smoke and fumes.  
Flammable.

Lower and upper explosive (flammable) limits : Lower: 2.5%  
Upper: 12%

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Incompatible materials</b>	Reactive or incompatible with the following materials: oxidizing materials
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

<b>Route of exposure</b>	Routes of entry anticipated: Oral, Dermal, Inhalation.	
	<u>Potential acute health effects</u>	<u>Symptoms</u>
<b>Eye contact</b>	May cause eye irritation.	Adverse symptoms may include the following: irritation watering redness
<b>Skin contact</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
<b>Ingestion</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
<b>Inhalation</b>	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.

### Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-

### Information on toxicological effects

<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.
<b>Sensitization</b>	Not available.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity data


Product/ingredient name	Result	Species	Exposure
propan-2-ol	Acute EC50 10100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours

Persistence and degradability : Unknown Bioaccumulative potential : Unknown Mobility in soil : Unknown Other adverse effects : Unknown

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods** Dispose content and container in accordance with local, regional and national regulation in force.

## 14. TRANSPORT INFORMATION

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard
<b>TDG Classification</b>	UN1219	UN1219 ISOPROPANOL	3	II	

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

**Additional information** See shipping documents for specific information on DOT, IMDG or IATA

## 15. REGULATORY INFORMATION

### Canadian lists

**Canadian NPRI** None of the components are listed.

**CEPA Toxic substances** None of the components are listed.

**Canada inventory** At least one component is not listed.

### International lists

**United States** All components are listed or exempted.

## 16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)

Health Hazard	2
Fire Hazard	3
Reactivity	0
Personal Protection	

Date of issue/Date of revision (YYYY-MM-DD) : 2019-10-08

Prepared by : Regulatory Affairs Department

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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.