

# SAFETY DATA SHEET

## Isopropyl Alcohol 99%

### SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: Isopropyl Alcohol 99%  
 Product Use: Solvent  
 Supplier Name and Address: Corpack Canada  
 16 Seapark Drive,  
 St. Catharines, ON L2M 6S6  
 Telephone: : (905) 682-8888  
 Emergency Telephone: : CANUTEC (613) 996-6666

### SECTION 2 - HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical State:** Liquid  
**GHS Classification:**  
 Skin Irritation: Category 3  
 Eye Irritation: Category 2B  
 Acute Toxicity: Category 4  
**GHS Label Elements:**  
 Hazard Pictograms



**Signal Word:** Warning  
**Hazard Statements:** H225 Highly flammable liquid and vapour  
 H315 Causes skin irritation  
 H320 Causes eye irritation  
**Precautionary Statements:**  
**Prevention**  
 P102 Keep out of reach of children  
 P262 Do not get in eyes, on skin, or on clothing  
 P284 In case of inadequate ventilation wear respiratory protection  
**Response**  
 P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes  
 P305 IF IN EYES: Flush with plenty of water for at least 15 minutes  
 P332+P313 If skin irritation persists, get medical attention

**Potential Health Effects:**  
 Inhalation : Intentional misuse by concentrating and inhaling the product can be harmful or fatal. May cause irritation of respiratory tract.  
 Skin : Slightly irritating to the skin  
 Eyes : Slightly irritating to the eyes  
 Ingestion : No known significant effects or critical hazards  
 Aggravated Medical Condition : None known



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Symptoms of Overexposure

: None known

### SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

#### HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
Isopropyl Alcohol	67-63-0	99%

### SECTION 4 - FIRST-AID MEASURES

<b>General Advice</b>	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
<b>Inhalation</b>	: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
<b>Skin Contact</b>	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
<b>Eye Contact</b>	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

### SECTION 5 - FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	: Alcohol foam, carbon dioxide, dry chemical
<b>Specific hazards arising from the chemical</b>	: None
<b>Special protective actions for fire-fighters</b>	: None
<b>Additional advice</b>	: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surfaces. Avoid



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smoking around where this chemical is stored.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Wear appropriate protective equipment.  
**Environmental precautions** : Prevent entry into sewers or streams. Dike if needed.  
**Methods and materials for containment/ cleaning up** : Use a water rinse for final clean-up  
**Additional advice** : None

### SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling** : Use of nitrile gloves and eye protection is optional  
 Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to avoid the build up of electrostatic charge.  
**Conditions for safe storage** : Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials  
**Other data** : Do not freeze.

### SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters :

Components	CAS-No.	Value	Control Parameters	Basis
2-Propanol	67-63-0	TWAEV	400 ppm 983 mg/m3	Quebec. Regulation respecting occupational health and safety. Schedule 1. Part 1. Permissible exposure values for airborne contaminants
		TWAEV	400 ppm 983 mg/m3	Quebec. Regulation respecting occupational health and safety. Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	200 ppm	Canada. British Columbia OEL



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		TWA	200 ppm	Canada. British Columbia OEL
		STEL	400 ppm	Canada. British Columbia OEL
		STEL	400 ppm	Canada. British Columbia
		TWAEV	200 ppm	Canada. Ontario OELs
		STEV	400 ppm	Canada. Ontario OELs
		STEL	400 ppm	Canada, Alberta. Occupational Health and Safety Code (table 2:OEL)
		STEL	400 ppm 984 mg/m3	Canada, Alberta. Occupational Health and Safety Code (table 2: OEL)
		TWA	200 ppm 492 mg/m3	Canada, Alberta. Occupational Health and Safety Code (table 2: OEL)
		TWA	200 ppm 492 mg/m3	Canada, Alberta. Occupational Health and Safety Code (table 2:OEL)
		STEL	500 ppm 1230 mg/m3	Canada, Alberta. Occupational Health and Safety Code (table 2: OEL)
		TWA	400 ppm 983 mg/m3	Canada, Alberta. Occupational Health and Safety Code (table 2: OEL)
		STEV	500 ppm 1230 mg/m3	Quebec. Regulation respecting occupational



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				health and safety. Schedule 1, Part 1: Permissible exposure values for airborne contaminants.
		STEV	500 ppm 1230 mg/m <sup>3</sup>	Quebec. Regulation respecting occupational health and safety. Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)

**Engineering Controls**

: Normal building ventilation is adequate.  
 Ensure that eyewash stations and safety showers are close to the workstation location

**Personal Protective Equipment**

Eye/face protection

: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn

Hand protection

: Nitrile or rubber gloves are recommended

Skin protection

: Protective coveralls or thick clothing that covers exposed skin

Respiratory protection

: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels

: Handle in accordance with good industrial hygiene and safety practice

Hygiene measures

When using do not eat or drink

When using do not smoke

Wash hands before breaks and at the end of the workday

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	: Colourless liquid
<b>Odor:</b>	: None
<b>Odor Threshold:</b>	: Not available
<b>pH:</b>	: Not available
<b>Melting point/ freezing point:</b>	: -89.5 °C
<b>Initial boiling point and boiling range:</b>	: 82 °C
<b>Flash point:</b>	: 12°C
<b>Evaporation rate:</b>	: 3.0
<b>Flammability (solid, gas):</b>	: Not available
<b>Upper/lower flammability or explosive limits:</b>	: 12.7 %(V) Upper/ 2%(V) Lower
<b>Vapour pressure:</b>	: 32.4 mmHg at 20°C 44.0 mmHg at 25°C
<b>Vapour density:</b>	: Not available
<b>Relative density (g/mL):</b>	: Not available
<b>Water solubility:</b>	: Completely soluble
<b>Solubility in other solvents:</b>	: Not available
<b>Partition coefficient: n-octanol/water:</b>	: low, Pow:0.05
<b>Auto-ignition temperature:</b>	: Not available
<b>Decomposition temperature:</b>	: Not available
<b>Viscosity:</b>	: As water

### SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	: Product is stable
<b>Chemical Stability</b>	: Stable under normal conditions
<b>Possibility of hazardous reactions</b>	: Hazardous decomposition products are not known
<b>Conditions to avoid</b>	: Not available
<b>Incompatible materials</b>	: Strong concentrated acids, oxidizing and reducing agents. Do not mix with chlorine bleach
<b>Hazardous decomposition products</b>	: May produce oxides of carbon and nitrogen when burned

### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Product Information</b>	
Acute toxicity	: LD50 acute, oral, rat: 5045 mg/kg Remarks: Behavioural: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity). LD50 acute, inhalation, rat: 16000 ppm 8h LD50 acute, dermal, rabbit: 12800 mg/kg
Skin Corrosion/ Irritation	: Skin - Rabbit - Mild skin irritation
Serious eye damage/irritation	: Eyes - Rabbit - Eye irritation - 24 hours
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Reproductive toxicity	: Not Available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

### SECTION 12 - ECOLOGICAL INFORMATION

<b>Product Information:</b>	
Toxicity:	: LC50 - Pimephales promelas (fathead minnow) - 9640 mg/l - 96 h



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EC50 - Daphnia magna (Water flea) - 4105 mg/l - 24h  
EC50 immobilization - Daphnia magna (Water flea) - 6851 mg/l 24 hours  
EC50 - Desmodesmus subspicatus (green algae) - 2000 mg/l 72 hours  
EC50 - Algae - 1000 mg/l - 24 hours

Persistence and degradability: : Not available  
Bioaccumulative potential: : No bioaccumulation is to be expected (log Pow <=4)  
Mobility in soil: : Not available  
Other adverse effects: : Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Product** : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solution to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### SECTION 14 - TRANSPORT INFORMATION

**UN Number** : UN 1219  
**UN Proper Shipping Name** : Isopropanol  
**Transport hazard class(es)** : Class 3: Flammable liquid  
**Packing group, if applicable** : PG: II  
**Environmental hazards** : Not available  
**Special precautions for user** : Not available  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable

### SECTION 15 - REGULATORY INFORMATION

**WHMIS Status** : Not known  
**WHMIS classification** : B2 - Flammable liquid  
D2B - Toxic Material Causing other Toxic Effects  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this SDS contains all the information required by the Controlled Products Regulations

### SECTION 16 - OTHER INFORMATION

**Prepared by:** Technical Services  
**Telephone number:** (905) 682-8888

**Preparation date:** January 2018

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)



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