

Section 1. Identification

Product Identifier

Product Name	Hand Sanitizer
Common Name	Isopropyl Alcohol Mixture
CAS Number	67-63-0
Product Code(s)	8100

Recommended or Restricted Uses

Recommended Use	Hand Sanitizer
Restricted Use	Not for Consumption

Canadian Supplier

Supplier	49 North Lubricants 6611 45 th Street, Leduc, Alberta T9E 7E3 Canada Tel: (780) 986-9260 Fax: (780) 986-9650
----------	---

Emergency Telephone Number



Emergency Telephone	CHEMTREC: 1-800-424-9300
---------------------	--------------------------

Section 2. Hazard Identification

Hazard Classification

WHMIS Regulatory Status	Hazardous Product
Physical Hazards	Flammable Liquid
Health Hazards	Serious Eye
Environmental Hazards	Not Classified

Label Elements

Symbol	 
Signal Word	Danger
Hazard Statements	Flammable liquid and Vapour Causes serious eye irritation
Precautionary Statements	Do not handle until all safety precautions have been read and understood Do not eat, drink or smoke when using this product Use only as directed Wear personal protective equipment (PPE) as identified in Section 8.
Other Hazards	Not Applicable

Section 3. Composition / Information on Ingredients

Hazardous Product: Mixture

Chemical Name	2-Propanol	H2O2	1,2,3-Propanetriol	H ₂ O
Common Name	Isopropyl Alcohol	Hydrogen Peroxide	Glycerin	Water
CAS Registry #	67-63-0	7722-84-1	58-81-5	7732-18-5
Concentration	70 - 80%	< 1%	1 - 1.5%	20 - 30%

Section 4. First Aid Measures

Route of Exposure

Inhalation:	Move affected person to fresh air and keep warm and at rest. Loosen tight clothing such as collar, tie or belt. If breathing becomes difficult, properly trained personnel can assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing continues.
Skin Contact:	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist seek medical attention. Wash contaminated clothing before re-use.
Eye Contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. If symptoms persist or there is visual difficulty seek medical attention.
Ingestion:	Seek medical attention immediately. Do not give anything by mouth. Do not induce vomiting. If individual is drowsy or unconscious place on the left side with head down. Do not leave individual unattended.

Most Important Systems and Effects

Inhalation:	May Cause: Coughing, Chest Tightness, Light Headedness
Skin Contact:	May Cause: Temporary Skin Irritation
Eye Contact:	May Cause: Irritation or Redness in Eyes, Loss of Vision
Ingestion:	May Cause: Loss of consciousness, Abdominal pain, Blindness, Death

Immediate Medical Attention and Special Treatment

Note for the Doctor	Treat Symptomatically
---------------------	-----------------------

Section 5. Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media	Extinguish with foam, carbon dioxide, dry chemical or water fog.
Unsuitable Extinguishing Media	Not Applicable.

Specific Hazards Arising from the Hazardous Product

Specific hazards	Not Applicable
Hazardous combustion products	Not Applicable

Advice for Firefighters

Protective actions during firefighting	Avoid breathing gases or vapours. Evacuate the area. Ventilate closed spaces before entering them.
Special protective equipment for firefighters	Not Applicable.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions	Keep unnecessary and unprotected personnel away from spillage. Wear protective clothing as described in Section 8. Follow safe handling as described in Section 7. Eliminate all ignition sources. Vapour is heavier than air.
----------------------	--

Methods and Material for Containment and Cleaning Up

Methods for cleaning up	Collect spillage with non-combustible, absorbent material. For small spillages: wipe up with an absorbent cloth. Avoid discharge into drains or watercourses or onto the ground. For large spillages: Contain the spilled material, removed and dispose of contaminated material with a licensed waste disposal site.
Methods for containment	Prevent spreading over a wide area with containment or barriers. Do not let product enter drains. If environmental pollution occurs (sewers, waterways, soil or air) inform the relevant authorities.

Section 7. Handling and Storage

Precautions for Safe Handling

Usage precautions Wear PPE as described in Section 8. Static ignition hazard can result from handling and use. Ground all containers and equipment before transfer or use of material as per National Fire Protection Association document NFPA 77. Special precautions may be necessary to dissipate static electricity for non-conductive containers.

Conditions for Safe Storage, Including any Incompatibilities

Storage Precautions Keep storage area well ventilated. Store away from incompatible materials listed in Section 10. Store in accordance with local regulations. Containers of this material may be hazardous when emptied due to product residue. All hazard precautions must be observed with empty containers.

Section 8. Exposure Controls / Personal Protection

Control Parameters

Occupational Exposure Limits 200 ppm (260 mg/m³)

Appropriate Engineering Controls

Engineering controls Provide exhaust ventilation or other engineering controls to keep concentration of vapour below the recommended exposure limits. An eye wash station and safety shower should be located near the work station.

Individual Protection Measures

General All personal protective equipment (PPE) should comply with Canada OH&S Regulations (SOR/86-304)

Eye/Face protection Recommended: Safety glasses equipped with side shields. Where splash hazards exist use a face shield as well. Have suitable eye wash water available.

Hand protection Recommended: Heavy Nitrile or Neoprene gloves if frequent or prolonged exposure is expected.

Body protection Recommended: Avoid prolonged / repeated skin contact. If splashing or spraying is expected chemical-resistant clothing should be worn.

Respiratory protection Respiratory protection is not anticipated under normal use. If elevated airborne concentrations are anticipated, a NIOSH approved organic vapour respirator equipped with a dust prefilter should be used.

Section 9. Physical and Chemical Properties

Physical Properties

Physical State Liquid

Colour Colourless

Odour Not Applicable

Odour threshold Not Applicable

Chemical Properties

pH Not Available

Melting point / freezing point Not Available

Flash point 12°C

Evaporation rate Not Available

Flammability (solid; gas) Not Available

Lower Explosive Limit Not Available

Upper Explosive Limit Not Available

Vapour pressure Not Available

Vapour density Not Available

Relative density Not Available

Solubility	Soluble in water, ethanol, acetone, oils/fats
Partition coefficient: n-octanol/water	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available

Section 10. Stability and Reactivity

Reactivity	Violent to explosive reaction with (strong) oxidizers.
Stability	Prolonged storage/in large quantities: may form peroxides
Possibility of hazardous reactions	May react violently with oxidants
Conditions to avoid	Direct sunlight. High temperature. Incompatible materials. Open flame. Sparks.
Incompatible Materials	Ammonia. Strong acids. Strong oxidizers.
Hazardous decomposition products	Carbon dioxide. Carbon monoxide

Section 11. Toxicological Information

Routes of Exposure	Ingestion, Inhalation, Skin/Eye Contact
<u>Symptoms</u>	
Physical	Eye contact may cause irritation or redness with short term exposure Ingestion may cause discomfort
Chemical	No Available Data
Toxicological	No Available Data
<u>Exposure Effects</u>	
Delayed Effects	No Available Data
Chronic Effects	No Available Data
<u>Acute Toxicity Estimates (ATE)</u>	
ATE oral (mg/kg)	No Available Data
ATE dermal (mg/kg)	No Available Data
ATE inhalation (mg/L)	No Available Data

Section 12. Ecological Information

No Available Data.

Section 13. Disposal Considerations

Follow local regulations for hazardous waste disposal.

Section 14. Transport Information

Not Available.

Section 15. Regulatory Information

Not Available.

Section 16. Other Information

SDS Revision Date: 03-30-2020

SDS Number(s) 8100

Disclaimer: The information contained herein is accurate to the best of our knowledge.