

Safety Data Sheet

PURIFIK LEMON

1. Identification

Product name: **PURIFIK LEMON**
Product description: Hand Sanitizer
Supplier/Manufacturer : Instukem
630 McCaffrey St.
Montreal, Quebec H4T 1N1
1-514-739-0020
1-800-263-0023
Emergency number: **1-613-996-6666** **CANUTEC**

2. Hazard identification

GHS classification: Category 3
Category 2A



Signal word: Warning

Hazard statement: Flammable liquid and vapor.
Causes severe eye irritation.

Precautionary statement: **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. Do no smoke while handling this product. Keep container tightly closed.
Intervention:
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Seek medical attention. IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
Store in a well-ventilated place. Keep cool.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Other hazards: Not applicable.

3. Composition/information on ingrédients

Substance: Mixture

Name	CAS number	% in weight
• Ethyl Alcohol	64-17-5	60 – 75
• Water	7732-18-5	20 - 30
• 1,2,3-Propanetriol	56-81-5	1.0 – 2.0
• Hydrogen peroxide	7722-84-1	0.02 – 0.04

4. First-aid measures

Eye contact: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids. Seek medical attention.

Skin Contact: Not irritating to the skin.

Inhalation: No danger.

Ingestion: Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Never give an unconscious person anything to ingest. Seek medical attention.

Note to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

5. Firefighting measures

No specific fire or explosion hazard.

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High flow water jet

Specific hazards: Not applicable.

Hazardous decomposition materials: Decomposition products may include the following materials:

Carbon Oxides
Sulfur Oxides

Special protective equipment for firefighters: Not applicable.

Precautions for firefighters: Use personal protective equipment.

6. Accidental release measures

Personal precautions: Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Avoid discharge into drains, sewers, surface or ground water. Dike if necessary.

Methods and materials for containment and clean up: Contain spillage and collect in container for disposal according to local / national regulations (see section 13).

7. Handling and storage

Handling: Handle in accordance with good industrial hygiene and safety practices. Handle and open containers with care. Avoid contact with eyes and skin. Do not ingest.

Storage: Store in suitable labeled containers. Store in a cool, dry and well-ventilated area away from incompatible materials. Avoid freezing.

8. Exposure controls / Personal protection

Occupational exposure limits

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	CAD AB OEL
		STEL	1,000 ppm	CAD BC OEL
		VME	1,000 ppm 1,880 mg/m ³	OEL (QUE)
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA P1
1,2,3-Propanetriol	(56-81-5)	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction)	OSHA PEL
Hydrogen peroxide	(7722-84-1)	TWA	1 ppm	ACGIH
		TWA	1.4 mg/m ³	NIOSH REL
		TWA	1 ppm	NIOSH REL

Engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Respiratory protection: Not required.

Hand protection: Not required.

Skin protection: Not required.

Eye protection: Not required under recommended conditions of use.

9. Physical and chemical properties

Physical state: Gel

Color: Clear, colorless

Odor: Characteristic

Odor threshold: Not available

PH: 6.5-7.5

Flash point: No data available

Melting point / freezing point: Not available

Boiling point: 78 degrees Celsius
Evaporation rate: Not available
Flammability (solid, gas): Not available
Flammability limit - lower: Not available
Flammability limit - upper: Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: 0.86 - 0.9 g/ml
Solubility: Fully miscible
Partition coefficient - n-octanol/water: Not available
Auto-ignition temperature: The product does not ignite spontaneously
Decomposition temperature: Not available
Viscosity: Not available

10. Stability and reactivity

Chemical stability: Stable under normal use and storage conditions.

Possibility of hazardous reactions: Fire hazard

Conditions to avoid: No further relevant information available.

Incompatible materials: This product reacts with strong oxidizing compounds.

Hazardous decomposition products: Under recommended storage and handling conditions, no hazardous decomposition products should appear.

11. Toxicological information

Principal routes of exposure: Inhalation, ingestion, eye and skin contact.

Potential health effects

Eye contact: May cause severe eye irritation or burns. Symptoms: Redness.

Skin contact: May cause skin irritation. Symptoms: Redness.

Inhalation: Vapor may cause irritation to the respiratory tract.

Ingestion: May cause irritation of the gastrointestinal tract.

Toxicity

Acute oral: Not available

Acute dermal: Not available

Acute inhalation: Not available

Skin corrosion / irritation: Not available

Serious Lesion/serious eye irritation: Not available

Respiratory or skin sensitization: Not available

Carcinogenicity: Not available

Reproductive: Not available

Germ cell mutagenicity: Not available

Aspiration: Not available.

12. Ecological information

Ecotoxicity: Not available

Effect on the environment: Not available

Acute toxicity for fish: Not available

Acute toxicity for crustacea: Not available

Acute toxicity for algae: Not available

Components

Ethyl alcohol (64-17-5)	
LC50 Fish 1	11200 mg/l
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (Algae)	1000 mg/l
NOEC Chronic Crustacea	9.6 mg/l
1,2,3-Propanetriol (56-81-5)	
LC50 Fish 1	54000 (51000 - 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
Hydrogen peroxide (7722-84-1)	
LC50 Fish 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Persistence and degradability: Not available

Bio cumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

13. Disposal considerations

Disposal instructions: The waste should be recycled or disposed of through an approved waste management facility. Dispose of in accordance with municipal, provincial and federal regulations.

Contaminated containers: Empty containers should be recycled or disposed of through an approved waste management facility. Dispose of in accordance with municipal, provincial and federal regulations.

14. Transport Information

TDG (Canada)

UN number: 1170
TDG shipping name: ETHANOL SOLUTION
Class: If <5L: Limited quantity
If >5L: Class 3 flammable liquids
Packing group: III
Marine pollutant: No

Land transport (DOT)

UN number: 1170
Description of the goods: Ethanol solutions.
Class: 3
Packing group: III
Environmentally hazardous: No

Sea transport (IMDG/IMO)

UN number:	1170
Description of the goods:	ETHANOL SOLUTION
Class:	3
Packing group:	III
Marine pollutant:	No

15. Regulatory information

This product has been classified in accordance with the hazard criteria of the HRP and the SDS contains all the information required by the HRP.

The ingredients of this product are listed in the domestic substances list (DLS).

16. Other information

Preparation date: APRIL 12, 2021

Prepared by: Instukem

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