

# Safety Data Sheet

## PURIFIK GRAPEFRUIT

### 1. Identification

Product name: **PURIFIK GRAPEFRUIT**

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 ingredients

**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 <sup>3</sup>	CAD AB OEL
		STEL	1,000 ppm	CAD BC OEL
		VME	1,000 ppm 1,880 mg/m <sup>3</sup>	OEL (QUE)
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P1
1,2,3-Propanetriol	(56-81-5)	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (mist, total particulate) 5 mg/m <sup>3</sup> (mist, respirable fraction)	OSHA PEL
Hydrogen peroxide	(7722-84-1)	TWA	1 ppm	ACGIH
		TWA	1.4 mg/m <sup>3</sup>	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 (solidi, 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

<b>Ethyl alcohol (64-17-5)</b>	
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
<b>1,2,3-Propanetriol (56-81-5)</b>	
LC50 Fish 1	54000 (51000 - 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
<b>Hydrogen peroxide (7722-84-1)</b>	
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

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