

Safety data sheet

K-SAN

1. Identification

Product name: **K-SAN**

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	$50 \leq x\% \leq 80$

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
Nitrogen Oxides (NO_x)
Sulfur Oxides
Phosphorus 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

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: Alcoholic

Odor threshold: Not available

PH: 6.5-7.0

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: 0.88 - 0.94 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

Toxicity to fish : Ethanol
96 h CL50 Pimephales promelas (fathead minnow) : > 100 mg/l
Glycerin
96 h CL50 Poissons : 855 mg/l

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: UN1170

TDG shipping name: ETHANOL SOLUTION

Class: If <5L: Limited quantity

If >5L : Class 3 flammable liquids

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: March 20, 2020

Prepared by: Instukem

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