



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name INSTANT HAND SANITIZER
Product use Hand Sanitizer.
Product code G399
Date of issue 06/07/11 **Supersedes** 06/24/08

Emergency Telephone Numbers

For MSDS Information:

Technical Services Group
Telephone (780) 453-8100
(Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency

CANUTEC (24 Hours)
(613) 996-6666 - Call Collect

Prepared By

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Section 2. Hazards Identification

Emergency overview

Do not breathe vapor or mist. Contains material that may cause target organ damage, based on animal data.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Eye contact. Inhalation.

Eyes

Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching. Prolonged contact with eye tissue may cause severe and permanent eye injury (blindness).

Skin

May cause slight irritation in sensitive individuals.

Inhalation

Over-exposure by inhalation may cause respiratory irritation. Long-term exposure may cause headache, nausea or weakness.

Ingestion

Harmful if swallowed. Moderately toxic and narcotic in high concentrations. Ingestion of excessive amounts may cause inebriation, headache, drowsiness, dizziness, mental confusion, fatigue or nausea.

Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, ears. Prolonged or repeated contact may dry skin and cause irritation. Over-exposure by inhalation may cause respiratory irritation.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

67-63-0

60 - 100

Section 4. First Aid Measures

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact

This product is formulated for use on skin but should be rinsed off when possible.

Inhalation

Inhalation not likely under normal use conditions. Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.

Ingestion

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flash Point	77° C
Flammable Limits	Not available.
Flammability	Flammable in presence of open flames, sparks, shocks, heat, oxidizing materials, and strong acids, .
Auto-ignition Temperature	399° C
Fire-Fighting Procedures	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst.
Products of Combustion	carbon oxides (CO, CO ₂)
Explosion hazard	Not available.

Section 6. Accidental Release Measures

Spill Clean up	Eliminate all ignition sources. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Do not breathe vapor or mist. Do not ingest. No special precautions are necessary if used as intended. Wash thoroughly after handling.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Avoid all possible sources of ignition (spark or flame). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

Isopropyl Alcohol

Exposure limits

ACGIH TLV (United States).

TWA: 200 ppm 8 hour(s).

OSHA PEL (United States).

TWA: 400 ppm 8 hour(s).

ACGIH/OSHA (United States).

STEL: 400 ppm 15 minute(s).

Personal Protective Equipment (PPE)

Eyes	Recommended: No special protection is required. Avoid contact with eyes.
Hands and Body	Recommended: No special protective clothing is required.
Respiratory	Recommended: A respirator is not needed under normal and intended conditions of product use. Use with adequate ventilation.

Section 9. Physical and Chemical Properties

Physical State	Liquid. [Clear Gel]	Color	Colorless.
pH	6.0 (1% solution).	Odor	Alcohol-like. [Slight]
Boiling Point	77°C (170.6°F)	Vapor Pressure	0.8 kPa (6 mm Hg)
Specific Gravity	0.84	Vapor Density	2.08 [Air = 1]
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	Not determined.
Freezing Point		VOC (Consumer)	Not Available

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isopropyl alcohol	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LD50 Dermal	Rabbit	5030 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	5045 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity


Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: - [None.]
Classification: - [Non-hazardous waste]
Origin:

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	1993	FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL)	3	II		-
IMDG Class	Not available.	Not available.	Not available.	-		-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada**

WHMIS (Canada) Regulated under other Act

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other Information

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