


SAFETY DATA SHEET



FIRST CHEMICAL LIMITED

SECTION 1: IDENTIFICATION	
Product Name	Instant Foam Hand Sanitizer
Product UPC	27909-08001
Product Code:	08001
Manufacturer Address First Chemical Limited 83 Torbarrie Road Toronto, Ontario M3L 1G5	
Emergency Contact Number :	416- 249- 8050 and 416- 678- 3179
Recommended Use:	Hand Sanitizer
Restrictions on Use:	Use only as directed on label.

SECTION 2: HAZARD IDENTIFICATION	
Eye Irritation	Category 2A
Flammable liquids	Category 3
Hazard pictogram Signal Word: Warning Symbols: 	Colour: Clear Physical State: Liquid Odour: Clean & Fresh

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Precautionary Statements Prevention:	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection.
Precautionary Statement Response: -Specific Treatment:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
Precautionary Statement Storage:	Store in a well-ventilated place. Keep cool
Precautionary Statements Disposal:	Dispose of contents/ container to an approved waste disposal plant.
Hazards not otherwise classified.:	Vapors may form explosive mixture with air.

SECTION 3: INGREDIENTS

Pure substances/mixture		
Chemical name	CAS- No.	Concentration: (%)
water	7732-18-5	<60
Ethanol	64-17-5	>= 50- < 70
Propan-2-ol	67-63-0	>= 1 - < 5

SECTION 4: FIRST AID MEASURES

In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
In case of skin contact:	Rinse with plenty of water.
If swallowed	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
If inhaled:	Remove person to get fresh air. Get medical attention if symptoms occur.
Most important symptoms/ effects, acute and delayed	
Notes to physician:	Treat symptomatically
Most important symptoms/effects.	Causes serious eye irritation

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media:	Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO2)
Unsuitable extinguishing media:	High volume water jet
Specific hazards:	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	Carbon oxides
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extinguishing methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	Discharge into the environment must be avoided.
Methods and material for containment and cleaning up	Non-sparking tools should be used. Stop leak if safe to do so. Contain spillage and then collect with non-combustible absorbent material and place in container for disposal according to local/nation regulation. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway

SECTION 7: HANDLING AND STORAGE

Advice on safe handling	Precautions for safe handling Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.
Conditions for safe storage Storage	Keep in properly labeled containers Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
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 Z-1
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

Exposure Guidelines:

Undiluted Product	
Engineering measures:	Use only in well-ventilated areas.
Personal Protective Equipment	
Eye Protection:	Wear the following personal protective equipment: Safety goggles
Hand protection:	Impervious gloves
Skin and body protection:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: Flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where

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	concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hygiene measures:	Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Clear
Odour	Clean & Fresh
PH	6-7.5
Flash point	N/A
Odour threshold	No information available
Melting/freezing point	No information available
Initial boiling point/boiling range	No information available
Evaporation rate	No information available
Flammability (solid and gas)	No information available
Upper explosion limit	No information available
Lower explosion limit	N/A
Vapour pressure	N/A
Relative vapour density	N/A
Specific gravity	1.
Water solubility	Soluble in water
Solubility in other solvents	N/A
Partition coefficient: n- octanol/water	N/A
Auto-ignition temperature	N/A
Thermal decomposition	N/A
Viscosity of Product	N/A
Explosive properties	N/A
Oxidizing properties	N/A
Molecular weight	N/A
VOC	N/A

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard.
Chemical Stability	Stable under normal. conditions
Possibility of Hazardous Reactions	Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Oxidizing agents
Hazardous Decomposition Products	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation	Not classified based on available information.
Eye contact	Not classified based on available information.
Skin contact	Not classified based on available information.
Ingestion	Not classified based on available information.
symptoms	No information available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg (Rat)	Not Available	Not Available
Ethanol 64-17-5	LD50 (Rat): > 5,000 mg/kg	No Available	LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapor

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Ingredients:	
Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h
Propan-2-ol:	
Toxicity to fish	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to algae	ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l Exposure time: 8 d
Toxicity to bacteria	EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h
Chemical Name	Algae/Aquatic Plants

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Do not reuse container. Dispose of in accordance with federal, state and local regulations

SECTION 14: TRANSPORT INFORMATION

<u>DOT</u> : <u>Proper Shipping Name:</u> Class Packing group Labels	UN 1987 ALCOHOLS, N.O.S. 3 III 3
<u>Special Provision:</u>	Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination.
Domestic regulation 49 CFR UN/ID/NA number Proper shipping name Class Packing group Labels ERG Code Marine pollutant	UN 1987 ALCOHOLS, N.O.S. 3 III FLAMMABLE LIQUID 127 no

SECTION 15: REGULATORY INFORMATION**International Inventories at Cas# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA), CANADA (DSL/NDSL)

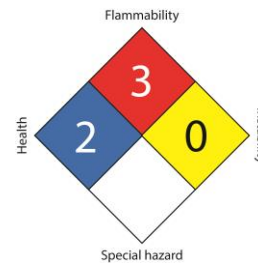
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ.
SARA 304	Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS RQ.
SARA 311/312 Hazards	Fire Hazard. Acute Health Hazard

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SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	The following components are subject to reporting levels established by SARA Title III, Section 313:

SECTION 16: OTHER INFORMATION								
NFPA	Health Hazards	2	Flammability	3	Instability	0	Special	N/A
HMIS	Health Hazards	2	Flammability	3	Physical Hazards	0		
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Prepared by :					Regulatory Affairs			



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The information provided in this Safety Data Sheet is correct to best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet