

# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	HandSan "Sanitizer" NPN 80098253
	<b>Version: 1</b> <b>Effective Date: 17 March, 2020</b>
<b>Other Means Of Identification</b>	None
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
<b>Recommended Use and Restrictions On Use</b>	Hand Sanitizer. No restrictions
<b>Product Family</b>	Alcohol
<b>24 Hour Emergency</b>	Canutec (613) 996-6666

Section 2. Hazard Identification	
<b>Hazard Classification</b>	 
<b>Physical Hazards</b>	Flammable Liquids - Category 2
<b>Health Hazards</b>	Eye Damage/ Irritation - Category 2A Specific Target Organ Toxicity, (Single Exposure) - Category 3
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Highly flammable liquid and vapour. Causes serious eye irritation. May cause respiratory irritation; or may cause drowsiness or dizziness.
<b>Precautionary Prevention Statement</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Avoid breathing mist, vapours and spray. Use in a well-ventilated area.
<b>Precautionary Response Statement</b>	IF ON SKIN: If irritation occurs, discontinue use. 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 attention.

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	<p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.</p> <p>IF SWALLOWED: Do not induce vomiting. Get medical help immediately.</p>
<b>Precautionary Storage Statement</b>	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
<b>Precautionary Disposal Statement</b>	Dispose of contents/container in accordance with local regulations.
<b>Other Hazards</b>	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Propan-2-ol	Isopropyl alcohol, IPA	67-63-0	70-90
Balance of ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures	
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	If irritation occurs, discontinue use. If irritation persists, flush area with water and seek medical attention.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Harmful if swallowed. Narcotic effect. Irritating to eyes and respiratory system.
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically. Symptoms may be delayed.



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Section 5. Fire-Fighting Measures	
<b>Suitable and Unsuitable Extinguishing Media</b>	Dry chemical, alcohol resistant foam, carbon dioxide
<b>Hazardous Combustion Products</b>	Carbon monoxide and dioxide
<b>Specific Hazards Arising From The Product</b>	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent build-up of vapors or gases to explosive concentrations. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard. Thermal decomposition may release oxides of carbon.
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves (nitrile), coveralls (Nomex), safety glasses
<b>Environmental Precautions</b>	Do not allow product to enter surface drains and watercourses
<b>Methods and Materials For Containment and Clean-Up</b>	Stop leak, soak or pump up spilt material. Place in a suitable container for disposal. Wash area with water to remove residues.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Flammable liquid. Handle with care.
<b>Conditions For Safe Storage</b>	Store in a cool dry place away from all sources of ignition. Empty containers may have flammable residues present. Keep container closed when not in use. Ground containers when in use.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Propan-2-ol	400 ppm	500 ppm		
	CAD AB OEL	CAD AB OEL		
<b>Exposure Controls</b>	Local exhaust ventilation			



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<b>Appropriate Engineering Controls</b>	Ensure eye wash station, safety shower and adequate ventilation are available.
<b>Individual Protective Measures</b>	Not normally required under normal conditions of use. If exposure limits are exceeded:
<b>Eye / Face Protection</b>	Safety glasses.
<b>Skin Protection</b>	Coverall (Nomex), and chemical resistant footwear.
<b>Respiratory Protection</b>	Air purifying respirator fitted with organic vapour cartridges must be worn.

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	Clear, colourless liquid
<b>Odour</b>	Pleasant scent
<b>Odour Threshold</b>	Not available.
<b>pH</b>	6.5-8.5
<b>Flash Point</b>	18 °C
<b>Boiling Point and Boiling Range</b>	82 °C
<b>Melting Point and Freezing Point</b>	-88 °C
<b>Evaporation Rate</b>	1.7 (Butyl Acetate = 1.0)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper and Lower Flammability or Explosive Limits</b>	12.7 %(V), 2 %(V)
<b>Vapour Pressure</b>	20 mmHg @ 332 °C
<b>Vapour Density</b>	2.1 (air = 1)
<b>Relative Density</b>	0.789
<b>Solubility</b>	Completely soluble
<b>Partition co-efficient, n-Octanol/Water</b>	0.05
<b>Auto-ignition Temperature</b>	399 °C
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	No data



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Section 10. Stability and Reactivity	
<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Heat, flames, sparks and sources of ignition
<b>Incompatible Materials</b>	Oxidizing agents and acids
<b>Hazardous Decomposition Products</b>	Not expected to occur under normal conditions of use.

Section 11. Toxicological Information			
<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Propan-2-ol	4700–5800 mg/kg	5030–7900 mg/kg	16000 ppm
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause mild irritation. Prolonged contact may cause dryness.		
<b>Eyes:</b>	May cause irritation of the eyes, including stinging, redness and tearing.		
<b>Inhalation:</b>	Inhalation of vapours and mists will cause irritation to the upper respiratory tract.		
<b>Ingestion:</b>	May cause severe irritation of the gastro intestinal tract. Ingestion may cause vomiting, which can lead to aspiration of the material – this can cause lung damage and inflammation of lung tissue.		
<b>Acute Toxicity Estimates (ATE)</b>	LD 50 (Oral, Rat): 5,045 mg/kg LD 50 (Dermal, Rabbit): 12,800 mg/kg		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Narcotic effect. Respiratory tract irritation.		
<b>Aspiration Toxicity</b>	May be harmful if swallowed and enters airways.		
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	None known.		
<b>Skin Corrosion / Irritation</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation		
<b>Serious Eye Damage / Irritation</b>	Causes serious eye irritation.		



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<b>Respiratory or Skin Sensitization</b>	Not a skin sensitizer.
<b>Carcinogenicity</b>	No listed.
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	No components toxic to reproduction.
- <b>Development of Offspring</b>	No data
- <b>Effects on or via Lactation</b>	No data
<b>Germ Cell Mutagenicity</b>	No data
<b>Interactive Effects</b>	No data
<b>Other Information</b>	Not applicable

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Propan-2-ol: LC50: 5770 – 7450 mg/L (Fathead minnow) 96 hr Flow through LC50: 10,000 mg/L (Water flea) 24 hr Static
<b>Persistence and Degradability</b>	Expected to be readily biodegradable.
<b>Bioaccumulative Potential</b>	No data
<b>Biodegradability</b>	Expected to be completely biodegradable
<b>Mobility in Soil</b>	No data
<b>Other Adverse Effects</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.

<b>Section 14. Transport Information</b>	
<b>UN Number</b>	1219
<b>UN Proper Shipping Name</b>	Isopropanol Solution
<b>Transport Hazard Class(es)</b>	3
<b>Packaging Group</b>	II
<b>Environmental Hazards</b>	Not applicable



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<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	129

Section 15. Regulatory Information	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None

Section 16. Other Information	
<b>NFPA Rating</b>	Health-2/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-2/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	17 March, 2020
<b>Date of Latest Revision:</b>	19 March, 2020
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