



Section 1. Identification	
Product Identifier	<p>WORX Clean-‘n-Gentle Liquid Hand Sanitizer</p> <p>HandSan “Sanitizer” NPN 80098253</p> <p style="text-align: right;">Version: 1 Effective 09 September 2020</p>
Other Means Of Identification	None
Supplier Identifier	<p>WORX Environmental Products, Inc. #10, 2305 – 52nd Avenue SE Calgary, AB T2C 4X7 403-273-7600 john.ekaney@worx.ca</p>
Recommended Use and Restrictions On Use	Hand Sanitizer. No restrictions
Product Family	Alcohol
24 Hour Emergency	CANUTEC (613) 996-6666

Section 2. Hazard Identification	
Hazard Classification	 
Physical Hazards Health	Flammable Liquids - Category 2
Hazards	<p>Eye Damage/ Irritation - Category 2A</p> <p>Specific Target Organ Toxicity, (Single Exposure) - Category 3</p>
Signal Word	Danger
Hazard Statement	Highly flammable liquid and vapour. Causes serious eye irritation. May cause respiratory irritation; or may cause drowsiness or dizziness.
Precautionary Prevention Statement	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.
Precautionary Response Statement	<p>IF ON SKIN: If irritation occurs, discontinue use.</p> <p>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.</p>

Section 2. Hazard Identification (continued)	
	<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>
Precautionary Storage Statement	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Precautionary Disposal Statement	Dispose of contents/container in accordance with local regulations.
Other Hazards	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	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	If irritation occurs, discontinue use. If irritation persists, flush area with water and seek medical attention.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	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.
Most Important Symptoms and Effects Both Acute and Delayed	Harmful if swallowed. Narcotic effect. Irritating to eyes and respiratory system.
Immediate Medical Attention and Special Treatment	Treat symptomatically. Symptoms may be delayed.

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Dry chemical, alcohol resistant foam, carbon dioxide
Hazardous Combustion Products	Carbon monoxide and dioxide

Section 5. Fire-Fighting Measures (continued)	
Specific Hazards Arising From The Product	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.
Special Protective Equipment and Precautions For Fire-Fighters	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	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (nitrile), coveralls (Nomex), safety glasses
Environmental Precautions	Do not allow product to enter surface drains and watercourses
Methods and Materials For Containment and Clean-Up	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	
Precautions For Safe Handling	Flammable liquid. Handle with care.
Conditions For Safe Storage	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 CAD AB OEL	500 ppm CAD AB OEL		
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure eye wash station, safety shower and adequate ventilation are available.			
Individual Protective Measures	Not normally required under normal conditions of use. If exposure limits are exceeded:			
Eye / Face Protection	Safety glasses.			
Skin Protection	Coverall (Nomex), and chemical resistant footwear.			
Respiratory Protection	Air purifying respirator fitted with organic vapour cartridges must be worn.			

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

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

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propan-2-ol	4700–5800 mg/kg	5030–7900 mg/kg	16000 ppm
Likely Routes of Exposure			
Skin:	May cause mild irritation. Prolonged contact may cause dryness.		
Eyes:	May cause irritation of the eyes, including stinging, redness and tearing.		
Inhalation:	Inhalation of vapours and mists will cause irritation to the upper respiratory tract.		

Section 11. Toxicological Information (continued)	
Ingestion:	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.
Acute Toxicity Estimates (ATE)	LD 50 (Oral, Rat): 5,045 mg/kg LD 50 (Dermal, Rabbit): 12,800 mg/kg
STOT (Specific Target Organ Toxicity) – Single Exposure	Narcotic effect. Respiratory tract irritation.
Aspiration Toxicity	May be harmful if swallowed and enters airways.
STOT (Specific Target Organ Toxicity) – Repeated Exposure	None known.
Skin Corrosion / Irritation	Prolonged or repeated skin contact may cause drying, cracking, or irritation
Serious Eye Damage / Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	Not a skin sensitizer.
Carcinogenicity	No listed.
Reproductive Toxicity	
- Sexual Function and Fertility	No components toxic to reproduction.
- Development of Offspring	No data
- Effects on or via Lactation	No data
Germ Cell Mutagenicity	No data
Interactive Effects	No data
Other Information	Not applicable

Section 12. Ecological Information	
Ecotoxicity	Propan-2-ol: LC50: 5770 – 7450 mg/L (Fathead minnow) 96 hr Flow through LC50: 10,000 mg/L (Water flea) 24 hr Static
Persistence and Degradability	Expected to be readily biodegradable.
Bioaccumulative Potential	No data
Biodegradability	Expected to be completely biodegradable
Mobility in Soil	No data

Other Adverse Effects	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.
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Section 14. Disposal Considerations

Disposal Considerations	Dispose of contents / container in accordance with local regulations.
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Section 14. Transport Information

UN Number	1219
UN Proper Shipping Name	Isopropanol Solution
Transport Hazard Class(es)	3
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	129

Section 15. Regulatory Information

Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information

NFPA Rating	Health-2/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
Date Prepared:	09 September 2020
Date of Latest Revision:	09 September 2020

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