



SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

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|---|---|
| Product Identifier: | All Clean Natural Hand Sanitizer (Liquid) – WHO Formula |
| Product Code: | Hand Sanitizer 70% (Liquid) |
| Other Means of Identification: | Antiseptic Skin Cleanser |
| Cas Number | Ethanol (70%) 64-17-5 |
| Product Use and Restrictions on use: | Hand Sanitizer/ Antiseptic skin cleanser Do not use on children/infants less than 2 years of age (unless directed by a doctor/physician/health care practitioner/health care provider/health care professional). |
| Supplier Identifier: | All Clean Natural Ltd. 5310 1 st Street SW Calgary, AB, T2H 0C8 (403) 455-9959 |
| 24-hour Emergency Phone: | CANUTEC (24HR EMERGENCY TELEPHONE) (613) 996-6666 |
| TDG Emergency Response Plan: | ERP 2-2063 |
| NWB Emergency Response Assistance Canada (ERAC): | 1-800-265-0212 |

SECTION 02 - HAZARD IDENTIFICATION

| | |
|--------------------------------|--------------|
| Flammable Liquid | : Category 3 |
| Eye Irritation Category | : 2A |



Signal word

: Danger

Hazard statements (GHS-CCOHS)

: H225 - Highly flammable liquid and vapor

: H319 - Causes serious eye irritation and remove contact lenses

Precautionary statements

: P210 – Keep away from heat, hot surfaces, open flames, sparks. – No smoking

: P233 - Keep container tightly closed

: If in eyes – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse. If eye irritation persists, seek medical advice/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

Other Hazards:

: Not known

SECTION 03: COMPOSITION/ INFORMATION ON INGREDIENTS

| Mixture Names | CAS-No | % |
|-------------------|-----------|-------------|
| Ethanol | 64-17-5 | 69.00-80.00 |
| Hydrogen Peroxide | 7722-84-1 | 0.125 |
| Glycerine | 56-81-5 | 1.45 |
| Water | 7732-18-5 | Balance |

SECTION 04: FIRST AID MEASURES

Eye Contact:

When using this product avoid contact with eyes. If contact occurs, rinse thoroughly with water. Stop use and ask/consult a health care professional if irritation develops.

Inhalation:

Remove the victim into the fresh air. If difficulty breathing persists, seek medical attention.

Ingestion:

Rinse mouth with water, do not induce vomiting. Call the Poison Information Centre (1-866-454-1212) SK, Canada. Consult a doctor/medical professional if you feel unwell.

Ingestion of Large Quantities:

Take individual immediately to hospital.

Note to Physician:

Treat Symptomatically.

SECTION 05: FIRE FIGHTING METHODS

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet.

Specific hazards arising from the hazardous product (e.g., hazardous combustion products):

Fire Hazard : Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Hazardous Combustion Products : Carbon Oxides

Special protective equipment and precautions for firefighters:

Specific Protective equipment for fire-fighters : Use personal protective equipment.

Specific Extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Protective equipment : Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Wear appropriate protective equipment such as gloves, safety goggles, and coveralls when handling in bulk.

Small Spill : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill : Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

Methods and materials for containment and cleaning up:

Emergency procedures : Mark the danger area. Consider evacuation. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof of appliances and lighting equipment. Keep containers closed.

Environmental precautions : Do not allow contact with soil, surface, or ground water.

Cleaning procedure : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material, or otherwise, contain material to ensure run off does not reach a waterway.

SECTION 07: HANDLING AND STORAGE

| 7.1 Precautions for Safe Handling | |
|--|--|
| Precautions for safe handling | Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks, and heated surfaces. |
| 7.2 Conditions for Safe Storage (including incompatible materials) | |
| | Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers. |
| Others | Good personal hygiene practices are suggested, such as abstaining from eating, drinking and smoking in the workplace |

SECTION 08: EXPOSURE CONTROL/ PERSONAL PROTECTION

| 8.1 Control Parameters Occupational Exposure Guidelines, Limits, and the Source of Those Values | | | | |
|---|---------|------------------|---------------------------|--------------|
| Exposure limits: | CAS-No. | Form of Exposure | Permissible Concentration | Basis |
| Ethanol | 64-17-5 | TWA | 1,000 ppm | ACGIH |
| | | | 1,000ppm 1,900 mg/m3 | NIOSH REL |
| | | | 1,000 ppm 1,900 mg/m3 | OSHA Z1 |

| | | | | |
|--------------------------|-----------|-----|---------------------------|--------------|
| Glycerin | 56-81-5 | TWA | 15mg/m3 (total) 5mg/m3 | OSHA PEL |
| Hydrogen Peroxide | 7722-84-1 | TWA | 1ppm (1.4mg/m3) | NIOSH REL |
| | | | 1ppm (1.4 mg/m3) | OSHA PEL |

8.2 Appropriate Engineering Controls

Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

8.3 Individual Protection Measures (e.g. personal protective equipment).

Personal Protective Equipment (PPE)

No special protective equipment required

Hand Protection

Skin Protection

Respiratory Protection

Hygiene Measures

8.4 Exposure Limits

| Ingredients | Exposure Limit ACGIH | Exposure Limit OSHA | Immediately Dangerous to Life or Health IDLH |
|--------------------------|-------------------------|------------------------|---|
| Ethanol | 1000 ppm TLV-TWA | 1000 ppm TWA | 3300 ppm |
| Hydrogen Peroxide | TWA-1.0 PPM | unknown | TLV BASIS- Eye, URT, & Skin Irr. |
| Glycerin | TWA- 10mg/m3 | unknown | TLV BASIS- URT irr |
| Water | -- | unknown | Oral LD50 (Rat)> 90ml/kg |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties:

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|---|-------------------------------|
| Appearance (physical state, colour, etc.) | : Gel/Translucent |
| Odour | : Typical lower alcohol odour |
| Odour threshold | : No data available |
| Boiling point | : No data available |
| pH | : 7.0-8.5 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Volatility | : No data available |
| Lower flammability limit | : No data available |
| Upper Flammability Limit | : No data available |
| Flashpoint | : 23°C closed up |
| Evaporation rate | : No data available |
| Vapour pressure | : No data available |
| Vapour density | : No data available |

| | |
|---|----------------------------------|
| Density | : 0.833-0.840 @ 20°C |
| Solubility | : Dissolved in water and alcohol |
| Partition coefficient - n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity:

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|---|--|
| Chemical stability | : Stable under normal conditions |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use |
| Conditions to avoid (e.g., static discharge, shock, or vibration) | : Heat, flames and sparks. |
| Incompatible materials | : Strong acids. Strong bases |
| Hazardous decomposition products | : Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases. |

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure:

| | |
|-----------------|--|
| Routes of Entry | : Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion. |
| Inhalation | : Health injuries are not known or expected under normal use. |
| Ingestion | : Health injuries are not known or expected under normal use. |
| Skin contact | : Health injuries are not known or expected under normal use. |
| Eye contact | : Causes serious eye irritation, redness, pain |

Symptoms related to the physical, chemical and toxicological characteristics:

No symptoms known or expected.

Delayed and immediate effects, and chronic effects from short-term and long-term exposure:

No symptoms known or expected

Numerical measures of toxicity, including acute toxicity estimates (ATEs):

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|---------------------|---|
| Acute oral toxicity | Health injuries are not known or expected under normal use. |
| IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| OSHA | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT-single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure

SECTION 12: ECOLOGICAL INFORMATION

Ecological information:

| Ingredients | Ecotoxicity- Fish Species Data | Toxicity to Aquatic Plants | Toxicity to Micro Organisms | Other Adverse Effects |
|-----------------------|---|---|---|-----------------------|
| Environmental Effects | | | Harmful to aquatic life. | |
| Ethanol | LC 50/96 Hour Oncorhynchus mykiss>10,000 mg/l | Growth inhibition/96 Hours Chlorella vulgaris 1000 mg/l | Pseudomonas Putida 6,500 mg/l Inhibition of cell growth | BOD 740-840 mg/g |
| Hydrogen Peroxide | TWA-1.0 PPM, | - | - | - |
| Glycerin | TWA-10mg/m3 | - | - | - |
| Water | - | - | - | - |

SECTION 13: DISPOSABLE CONSIDERATIONS

| 13.1 Information on Safe Handling for Disposal and Methods of Disposal, Including any Contaminated Packaging. | |
|--|---|
| Disposal Methods | The product should not be allowed to enter drains, water courses or the soil. Where possible, recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. |
| Disposal Considerations | Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. |
| RCRA – Resource Conservation and Recovery Authorization Act: Hazardous Waste | D001 (ignitable) |

SECTION 14: TRANSPORTATION INFORMATION

TDG (Canada)

UN number : UN1170
Description of the goods : ETHANOL Hand Sanitizer
Transport hazard class(es) : Primary Class -3
Packing group : III

Environmental Hazards : No
Transport in bulk, if applicable : 242 (49 CFR 173.xxxx)

IMDG/IMO

UN number : UN- 1170 Class: 3 Packing Group: II
Description of the goods : ETHANOL Hand Sanitizer
Marine Pollutant: : No

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific to the product:

CERCLA : 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.
SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 : SARA 313: This Material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth or any other reproductive defects.

SECTION 16: OTHER INFORMATION

NFPA Diamond for Ethanol



NFPA Health Hazard: 2 -Moderate
NFPA Fire Hazard: High
NFPA Physical Hazard: 0- Not Significant, 1=Slight

Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contain all the information required by the CPR. **Disclaimer:** NOTICE TO READER: All Clean Natural Ltd. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a

