

# SAFETY DATASHEET

## SECTION 1. IDENTIFICATION

**GHS PRODUCT IDENTIFIER:** HAND SANITIZER "WHO" FORMULA

**OTHER MEANS OF IDENTIFICATION:** Hand Sanitizer

**PRODUCT CODE:** HS0029

**PRODUCT TYPE:** Alcohol based hand sanitizer

**IDENTIFIED USES:** Sanitizing hands and skin in general

**DISTRIBUTOR:** 1st Ayd Corporation  
1325 Gateway Drive  
Elgin, IL 60124

**EMERGENCY TELEPHONE NUMBER:** 800-255-3924

## SECTION 2. HAZARDS IDENTIFICATION

**OSHA/MCS STATUS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian hazardous Production Act S.C. 198 C 30 (Part 1)

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:** Serious Eye Damage/Eye Irritation Category 1  
Specific Target Organ System Toxicity (STOT) - Single Exposure Category 3  
Flammable Liquid Category 4

### GHS LABEL ELEMENTS

**HAZARD PICTOGRAMS:**



**SIGNAL WORD:** Danger

**HAZARD STATEMENTS:** Flammable Liquid  
Causes serious eye damage  
May cause respiratory irritation

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Following application instructions  
Keep away from heat, sparks, open flames and hot surfaces. - No Smoking

**RESPONSE:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER for doctor/physician.  
In case of fire: Use water fog, dry chemical, carbon dioxide, foam to extinguish.

**STORAGE:** Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store in a secure manner.

**DISPOSAL:** Dispose of in accordance with local, regional and international regulations

**HAZARDS NOT OTHERWISE CLASSIFIED (NHOC):** NA

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL	CAS#	%
Ethyl Alcohol	64-17-5	>80%
Denatonium benzoate	3734-33-6	<.025%
Hydrogen Peroxide 35%	7722-84-1	< 2%
Glycerol	56-81-5	< 15%
Water	-	< 15%

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST AID MEASURES

### DESCRIPTION OF NECESSARY FIRST AID MEASURES

- EYE CONTACT:** Severe eye irritant.
- INHALATION:** Slight inhalation hazard.
- SKIN CONTACT:** Slight skin absorption hazard, moderate skin irritant.
- INGESTION:** Slight Ingestion hazard.

### MOST IMPORTANT SYMPTOMS, EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

- EYE CONTACT:** Severe eye irritant.
- INHALATION:** Slight inhalation hazard.
- SKIN CONTACT:** Slight skin absorption hazard, moderate skin irritant.
- INGESTION:** Slight Ingestion hazard.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Product has been shown to cause reproduction and fetotoxic effects in laboratory animals at high-doses. No health effects are expected from normal use of this product when used with the appropriate protective equipment. Prolonged or repeated contact may produce skin irritation.

### OVER-EXPOSURE SIGNS/SYMPTOMS

- EYE CONTACT:** If symptoms develop, immediately move individual into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek medical attention.
- INHALATION:** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek medical attention.
- SKIN CONTACT:** Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.
- INGESTION:** Seek medical attention. If individual is drowsy or unconscious, don't give anything by mouth; for advice whether to induce vomiting, contact a physician. If possible, do not leave individual unattended.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

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**NOTES PHYSICIAN:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible and oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material; skin, lung (for example – asthma-like conditions) kidney.

## SECTION 5. FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

**SUITABLE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Spray

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When heated above the flash point, releases flammable vapors. When mixed with air and exposed to igniting and flashing back vapor source. Rags or clothing soaked with the formulation may undergo spontaneous combustion if not handled properly.

**SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:** Do not enter area without proper protection. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water for cooling. Avoid frothing/steam explosions. Burning liquid may float on water. Although water soluble, it may not be practical to extinguish fire by water dilution.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** Wear appropriate respiratory protection and protective clothing as described in Section 8.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**FOR NON-EMERGENCY PERSONNEL:** FLAMMABLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

**ENVIRONMENTAL PRECAUTIONS:** In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

**SMALL SPILL:** Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

**LARGE SPILL:** Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

## SECTION 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

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**PROTECTIVE MEASURES:**

Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Use non-sparking tools and equipment. Handling operations that can promote accumulation of static charges include but are not limited to mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank or container filling, take cleaning, sampling, gauging, switch loading, and vacuum truck operations.

**CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:**

FLAMMABLE LIQUID. Store in a cool, well ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Protect containers against physical damage. Store away from light. Minimize exposure to air. Periodically test for peroxide formation on long-term storage. If peroxide formation is suspected, do not open or move container. Do not allow evaporate to near dryness. Do not distill to near dryness.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**CONTROL PARAMETERS**

**OCCUPATIONAL EXPOSURE LIMITS**

**INGREDIENT NAME**

**EXPOSURE LIMITS**

No components found

**EXPOSURE CONTROLS**

**INDIVIDUAL PROTECTION MEASURES PREVENTATIVE AND HYGIENE MEASURES:**

No protective clothing anticipated.

**INDIVIDUAL PROTECTION MEASURES EYE/FACE/RESPIRATORY PROTECTION:**

Wear safety glasses meeting the specifications of ANSI standard Z87.1.

Respiratory Protection: Recommended exposure limits (I.e. OSHA-PEL and ACGIH-TLV) have not been established for the material. Whether there is a need for respiratory protection under your conditions of handling of this material should be evaluated by a qualified health specialist.

**ENVIRONMENTAL EXPOSURE CONTROLS:**

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE:** Clear colorless liquid
- PHYSICAL STATE:** Viscous liquid
- ODOR:** Slight alcohol odor
- ODOR THRESHOLD:** NA
- PH:** NA
- MELTING POINT:** NA
- FREEZING POINT:** -227° F (-114° C)
- BOILING POINT:** 112.4° F (78° C)
- FLASH POINT:** 57.2° F (14° C)
- EVAPORATION RATE:** NA

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**FLAMMABILITY (SOLID,GAS):** Flammable  
**LOWER AND UPPER EXPLOSIVE:** NA  
**VAPOR PRESSURE:** 1.6  
**VAPOR DENSITY:** NA  
**DENSITY (H<sub>2</sub>O = 1):** Approximately .87 to 1.03 at 77°F  
**SOLUBILITY:** Completely soluble in water  
**PARTITION COEFFICIENT N-OCTANOL/WATER:** NA  
**AUTO-IGNITION TEMPERATURE:** NA  
**DECOMPOSITION TEMPERATURE:** NA  
**VISCOSITY:** NA  
**PERCENT SOLIDS BY WEIGHT:** NA  
**VOLATILE ORGANIC COMPOUNDS (VOC):** NA

## SECTION 10. STABILITY AND REACTIVITY

**REACTIVITY:**  
**CHEMICAL STABILITY:** Generally stable.  
**POSSIBILITY OF HAZARDOUS REACTIONS:**  
**CONDITIONS TO AVOID:** Heat, sparks, open flame, and other ignition sources.  
**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, strong reducing agents, strong alkalines, strong base, strong mineral acids  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition may produce oxides of carbon, nitrogen and various other hydrocarbons.  
**HAZARDOUS POLYMERIZATION:** None likely.

## SECTION 11. TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

#### POTENTIAL ACUTE HEALTH EFFECTS

**INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:** Eyes, skins, Inhalation, Ingestion and Absorption.  
**EYE CONTACT:** Severe eye irritant.  
**INHALATION:** Slight inhalation hazard.  
**SKIN CONTACT:** Slight skin absorption hazard, moderate skin irritant.  
**INGESTION:** Slight ingestion hazard.  
**CARCINOGENICITY:** This product does not contain 0.1% or more of the known or potential carcinogens listed in the NTP, IARC or OSHA.

### NUMERICAL MEASURES OF TOXICITY

#### ACUTE TOXICITY ESTIMATES

COMPONENT	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary	No Data	No Data	No Data

## SECTION 12. ECOLOGICAL INFORMATION

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## TOXICITY

**ECOTOXICOLOGICAL INFORMATION:** Toxic to water based life and plants in large quantities

## SECTION 13. DISPOSAL CONSIDERATIONS

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

**DISPOSAL METHODS:** All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

## SECTION 14. TRANSPORTATION INFORMATION

**IDENTIFICATION NUMBER** UN1170, Ethanol Solution  
**PROPSER SHIPPING NAME** UN1170 Flammable Liquid, n.o.s.  
**HAZARD CLASS:** Flammable Liquid  
**PACKAING GROUP:** III

## SECTION 15. REGULATORY INFORMATION

### FEDERAL REGULATIONS

**TSCA INVENTORY STATUS:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**WHMIS Canada:** Class B-2: Flammable liquid with a flash point lower than 37.8° C (100° F)

### SARA TITLE III 311/312

Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Pressure Release	Reactive
Yes	No	Yes	No	No

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### STATE REGULATIONS

**CALIFORNIA PROP. 65** This product may contain a detectable level of (a) chemical(s) subject to California proposition 65

## SECTION 16. OTHER INFORMATION

### HMIS HAZARD CLASSIFICATION

**HMIS HAZARD CLASSIFICATION:** Health: 2  
Fire: 2  
Reactivity: 0  
Specific: (none)

**NATIONAL FIRE PROTECTION ASSOCIATION:** Health: 2  
**(USA)** Fire: 2  
Reactivity: 0  
Specific: (none)

### HISTORY

**DATE OF ISSUE MM/DD/YYYY:** 04/24/2020

**VERSION:** 1

**PREPARED BY:**

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**KEY ABBREVIATIONS:**

ATE = Acute Toxicity Estimate  
BCF = Bio-Concentration Factor  
GHS = Globally Harmonized System of Classification and Labeling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,  
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

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