

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:.....HANDI-SAN

PRODUCT USE:.....Waterless Hand Cleaner/Sanitizer

COMPANY:.....CH₂O, Incorporated

8820 Old Hwy. 99 SE, Tumwater, WA 98501

360-943-6063, 800-562-6184, (fax) 360-352-4813, www.ch2o.com

EMERGENCY PHONE:(800) 424-9300 (CHEMTREC)

SDS DATE:3/17/2020

SHELF LIFE: 2 Years

2 – HAZARDS IDENTIFICATION

GHS HEALTH CLASSIFICATIONS: None

GHS ENVIRONMENTAL CLASSIFICATIONS: None

GHS PHYSICAL CLASSIFICATIONS: Flammable Liquids (2)



GHS SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

H225: Highly flammable liquid and vapour

GHS PRECAUTIONARY STATEMENTS:

PREVENTION:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground/Bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/light/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370: In case of fire: Use **dry powder, carbon dioxide (CO₂)** to extinguish.

STORAGE:

P403+235: Store in a well-ventilated place. Keep cool.

DISPOSAL:

P501: Dispose of contents/container in accordance with local, state, and federal regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known

UNKNOWN TOXICITY STATEMENT: 0% of this mixture consists of ingredient(s) of unknown acute toxicity.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

TRADE SECRET STATEMENT: The specific chemical identity and/or the exact percentage of composition has been withheld as a trade secret.

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	OSHA-STEL	OSHA-TWA

4 – FIRST-AID MEASURES

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention if irritation persists. **SKIN:** Wash exposed areas thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If skin feels slippery, continue washing until slick feeling is gone. Contact a physician if irritation persists. **INGESTION:** Give large quantities of water. DO NOT induce vomiting. If vomiting occurs administer additional fluids. Contact a physician for further directions. Never give anything by mouth to an unconscious person. **INHALATION:** Remove individual to fresh air. If breathing is difficult, give oxygen. Contact a physician if irritation persists.

5 – FIRE-FIGHTING MEASURES

When responding to a fire involving this product, personal protection equipment must be worn that is appropriate to the chemicals involved in the fire, as well as respiratory protection. If it can be done safely and without risk, stop any release of chemical at the source. Move undamaged containers away from the vicinity of the fire if it can be done safely. Water spray may be used in cooling equipment and containers that have been exposed to heat and/or flame. Avoid spreading burning material with water used for cooling purposes.

FLASHPOINT: <100°F

EXTINGUISHING MEDIA: Dry Powder, Carbon Dioxide (CO₂).

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Only trained personnel equipped with proper protective gear should be permitted in the area. Stop spill at source. Reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed flush area thoroughly with water.

WASTE: Dispose of all waste in accordance with local, state and federal regulations. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination.

7 – HANDLING and STORAGE

HANDLING & STORAGE: This product is a FLAMMABLE LIQUID. Store away from heat, sparks, or flames; store away from all sources of ignition. Exposure to eyes or skin can cause irritation and/or burning. Excessive inhalation may cause dizziness, nausea and vomiting. Ingestion will cause digestive system disturbance with possible blindness. Electrically ground all equipment when handling this product and use only non-sparking tools. Keep containers tightly closed when not in use. Do not use pressure to empty container. DO NOT cut, grind, weld or drill on or near this container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required, use an approved air-purifying respirator. When exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Chemical safety glasses and impervious gloves.

9 – PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE; Color & Odor: .. Light green; Moderate, alcohol

SPECIFIC GRAVITY:..... 0.90

pH, 1%: 6.5-7.5

SOLUBILITY IN WATER: Complete in water.

VOLATILITY (wt. %, incl. H₂O): . >95

10 – STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMP.: None known

INCOMPATIBILITY: None known

HAZARDOUS REACTIONS: None known

11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL PROPERTIES: The toxicological properties of this chemical mixture as a whole have not been thoroughly investigated.

LISTED CARCINOGEN: This material does not contain any known or suspected carcinogens.

MEDICAL CONDITION AGGRAVATED: None known

12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: The environmental properties of this chemical mixture have not been thoroughly investigated.

13 –DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of all waste product and wastes generated from this product in accordance with local, state, and federal regulations. Assume wastes are hazardous unless characterization demonstrates otherwise. Handle empty drums as if they contain chemical residual until they have been thoroughly decontaminated.

14 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:ALCOHOLS, NOS,

HAZARD CLASS:3

UN/NA NUMBER:UN 1987

PACKAGING GROUP :II

15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SARA Title III Chemical Listings:

Acute: Yes

Chronic: No

Fire: Yes

Pressure: No

Reactive: No

SARA SECTION 313: This product DOES NOT contain toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR Part 372.

16 – OTHER INFORMATION

HMIS RATING:

HEALTH: 0, FLAMMABILITY: 3, REACTIVITY: 0, PERSONAL PROTECTION: B

ADDITIONAL INFORMATION: None known