

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- a) Product Name: Hand Clean Plus 100 (Ethanol Gel)
- b) Manufacturer/Supplier/Distributor Information
- Name:** ReSure Scientific (Exclusive USA/Mexico/Canada Initial Importer and Distributor)
- Address:** 7847 Dunbrook Road, Suite D, San Diego, CA 92126
- Emergency Telephone Number:** 858.756.9151

SECTION 2. HAZARDS IDENTIFICATION

- a) Signal Word: Warning
- b) Hazard: Flammable liquid and vapor. Causes eye irritation. May be harmful if swallowed. May cause skin irritation.
- c) Precaution: Do not handle product until all safety precautions have been read and understood. Obtain special instructions before use.
- Do not ingest. Use only with adequate ventilation. Do not eat, drink, or smoke when using this product.
- Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame.
- Keep container tightly closed. Use personal protective equipment as required. Wash thoroughly after handling.

SECTION 3. COMPOSITION/INFORMATION AND INGREDIENTS

No	Ingredients Name	Percentage
1	Alcohol	68.000 %
2	Water	25.500 %
3	Glyccnn	6.000 %
4	Carbomer	0.300 %
5	Triethanolamine	0.200 %

SECTION 4. FIRST AID MEASURES

- a) Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.
- b) Skin contact: Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- c) Inhalation: Move exposed person to fresh air. If not breathing, or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. **Get medical attention immediately.**
- d) Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- e) Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5. FIRE FIGHTING MEASURES

- a) Flammability of the product: Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- b) Extinguishing Media: Use dry chemical, CO₂, water spray (fog) or foam.
- c) Special Exposure Hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- d) Special Protective Equipment and Precautions for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- a) Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
- b) Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- c) Methods for cleaning up: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Use spark-proof tools and explosion-proof equipment.

SECTION 7. HANDLING AND STORAGE

- a) Handling: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Keep in the original container, kept tightly closed when not in use.
- b) Storage: Store away from heat, sparks, open flame or any other ignition source. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Do not store in unlabeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- a) Control Parameters (e.g. occupational exposure limit values, biological limit values): None
- b) Appropriate engineering controls : None
- c) Personal protective equipment
 - Respiratory: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
 - Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
 - Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- a) Appearance (physical state, color etc): Transparent Gel
- b) Odor: Characteristics
- c) Odor Threshold: N/A
- d) pH 5.50- 8.50
- e) Melting Point/Freezing Point: None
- f) Initial boiling point and Boiling Range: None
- g) Flash point : 20- 25°C
- h) Evaporation Rate: None
- i) Flammability (solid, gas): None
- j) Upper/lower flammability or explosive limits: None
- k) Vapor Pressure: None
- l) Solubility :None
- m) Vapor Density: None
- n) Relative Density: None
- o) Partition Coefficient: n-octanol/water: None
- p) Auto-ignition Temperature: None
- q) Decomposition Temperature: None
- r) Viscosity: 9,000-20,000
- s) Molecular Mass: None
- t) Hardness(25 °C): None
- u) Specific gravity (25 °C): 0.750-0.950

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Avoid all possible sources of ignition. Do not pressurize, cut, weld, braze or expose containers to heat.

Incompatible Materials: Reactive or incompatible with oxidizing materials.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

- a) Health hazards information
 - Acute toxic: Ethyl Alcohol / LD50 Oral / Rat/ >1,000 mg/kg
 - Chronic Toxic: Not available
 - Sensitizer: Not available
 - Carcinogenicity: Not available
 - Mutagenicity: Not available
 - Teratogenicity: Not available

SECTION 12. ECOLOGICAL INFORMATION

- a) Aquatic Eco-toxicity: Ethyl Alcohol / Acute LC50 42000µg/L Fresh water
- b) Persistence and Degradability: Not available
- c) Bio-accumulative Potential: Not available
- d) Mobility in Soil: Not available
- e) Other Adverse Effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Significant quantities should not be disposed of via the sewer but processed in a suitable effluent treatment plant.

Disposal must be made according to official regulation. All local, state and federal laws must be followed when disposing of this product.

SECTION 14. TRANSPORT CONSIDERATION

- a) UN Number: 1170
- b) UN Proper Shipping Name: Flammable Liquids (Ethyl Alcohol)
- c) Transport Hazard Class: 3
- d) Packing Group (if applicable): II

SECTION 15. REGULATORY INFORMATION

- a) Other Requirements in Domestic and Other Countries: None

SECTION 16. OTHER INFORMATION

- a) Issuing date: 2020.03.16
- b) Revision number and date: Rev.6
- c) Others: None