



SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

PART NUMBER: HAND0100

PRODUCT DESCRIPTION: Foam Hand Sanitizer

DISTRIBUTED BY:

AMERICAN AIR & WATER INC.
12 GIBSON DR
HILTON HEAD ISLAND, SC 29926

TELEPHONE NUMBER:
843-785-8699

EMERGENCY TELEPHONE NUMBER:
Chemtrec: U.S.: 800-424-9300
International: +1-703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Concentration (% by weight)	CAS Number
Ethanol	60-70%	64-17-5
Other non-hazardous ingredients	30-40%	
TOTAL	100.00	

3. HAZARDS IDENTIFICATION

Emergency Overview: Flammable. Keep away from high heat sparks flame and all other ignition sources. May be harmful or fatal if swallowed. Use with adequate ventilation. Avoid prolonged breathing of vapor. Avoid contact with eyes or mucous membranes where prolonged contact causes irritation.

Acute/Chronic: No special acute or chronic effects or risks are expected from usage as directed on label. Brief repeated daily use as a skin antiseptic is not harmful and may be beneficial in aiding the healing of skin damaged by excessive daily handwashing with soaps and detergents as well as skin affected by bacterial viral or fungal infections. Brief contact with eyes conjunctiva or other mucous membranes may cause temporary irritation. Ingestion will cause irritation of throat and esophagus and may cause mental or physical disabilities associated with alcohol intoxication.

Eye contact: Direct contact may cause eye irritation (stinging sensation) and tear production. Redness of conjunctiva may occur.

Ingestion: Can cause depression of central nervous system nausea vomiting diarrhea.

Skin contact: Causes no skin irritation if used as directed. Excessive continuous exposure for a long period of time may cause defatting or drying of skin. Rate of absorption of active ingredients through skin or the effects there of are unknown.

Inhalation: Exposure to over 1500 ppm may cause headache drowsiness lassitude loss of appetite and inability to concentrate. May cause irritation of the throat.

4. FIRST AID MEASURES

General Information: No special measures required.

Skin Contact: Generally the product does not irritate the skin.

Eye Contact: Immediately flush affected area with plenty of cool water for at least 15 minutes. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If victim is conscious and able to swallow have victim drink water or milk to dilute. Never give victim anything by mouth if victim is unconscious or having convulsions. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. Induce vomiting only if advised by physician or poison control center.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known when used as directed.

5. FIRE FIGHTING MEASURES

Flash point: 25°C/ 77°F (Tag Closed Cup)

Auto-ignition temperature: >685°F

Flammable Limits: volume %: lower 5.5; upper 15

Extinguishing Media: Use dry chemical "alcohol foam" or carbon dioxide. Water may be ineffective but water should be used to keep fire-exposed containers cool. If a leak or spill has not ignited use water spray to disperse the vapors and to protect persons attempting to stop a leak. Water may be used to dilute spills to nonflammable mixtures.

Special Protective Equipment: Full turn-out gear with breathing apparatus.

Unusual Fire and Explosion Hazards: Flammable liquid and vapor.

Hazardous Combustion Products: Carbon monoxide can form upon incomplete combustion.

6. ACCIDENTAL RELEASE MEASURES

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

Spill or Leak Procedures: In case of large spills wear appropriate respiratory protection. Eliminate possible ignition sources. Contain spilled material. Transfer to secure containers. Where necessary collect spilled product using absorbent media. Dilute spill with water and directly flow to any available sanitary drain.

In the event of an uncontrolled release of this product the user should determine if the release is reportable under applicable laws and regulations.

7. HANDLING AND STORAGE

Handling: No special measures required.

Storage: Store product in cool place away from areas of high heat flames or potential sparks. Empty containers may be discarded in trash after rinsing with water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Adequate ventilation should be available for all uses of this product.

Personal Protective Equipment: No protective gloves or clothing are deemed necessary for normal application of product as a skin antiseptic or surface disinfectant.

With good industrial hygiene in mind it is recommended that employers perform a Hazard Assessment of all workplaces to determine the need for and selection of proper protective equipment for each task performed per OSHA Standard for Personal Protective Equipment (29 CFR 1910.132).

Respiratory Protection: Where exposure is likely to exceed acceptable criteria use NIOSH/MSHA approved respiratory protection equipment. For normal use of product as a skin sanitizer no respirators are deemed necessary.

Eye Protection: Contact of product with the eyes is not expected or anticipated in the normal use; however if there is a possibility of splashing or other means of contact with eyes chemical safety goggles meeting the specifications of ANSI Standard Z87. 1 should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Density: N/A

Vapor Pressure: N/A

Specific Gravity: 0.9@20°C

Melting Point: N/A

Boiling Point: 83°C

Viscosity: non-viscous

Physical State: Clear Liquid

Color: Clear

Odor: Alcohol odor

Miscibility: 100% in water

Stability: >5 years

Corrosion: non-corrosive

Product does not stain skin fabrics plastics metals glass or formica.

How To Detect This Substance: Mild alcoholic odor

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage (70° F 1 atm). Stable at room temperature for at least 5 years in a tightly closed container.

Hazardous reactions: Polymerization not likely.

Conditions to avoid: Avoid contact with heat.

Materials to avoid: Contact with acetyl chloride and a wide range of strong oxidizing agents which may react violently.

Hazardous Decomposition Products: Carbon monoxide can form upon incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Components are not listed as a carcinogen by NTP IARC OSHA.

Sensitization: No sensitizing effects known.

Exposure Limits in Air: ACGIH TLV: 1500 OSHA PEL: 1500

12. ECOLOGICAL INFORMATION

Do not allow undiluted product or large quantities of it to reach ground water water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Small quantities: Can be disposed of with household waste.

Large quantities: All recovered product may be dispensed along with water through normal sanitary sewage systems in gradual releases.

Note: Dispose of all wastes in accordance with federal state and local regulations.

14. TRANSPORT INFORMATION

Shipping Description: UN1170 Ethanol 3 PG III for containers above five liters. ORM-D for containers five liters or less.

15. REGULATORY INFORMATION

Carcinogenicity: This products ingredients are not found in Federal OSHA NTP or IARC lists.

16. OTHER INFORMATION

NFPA Ratings: Health - 0; Flammability - 3; Reactivity - 0.

Date: 3 February 2011

To the best of our knowledge the facts given are correct. However the information is given without warranty as to its accuracy.