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PRODUCT: Antiseptic Hand Gel

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	%
Ethyl Alcohol (Ethanol)	1000 ppm	1000 ppm		70% v/v

SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: NA for a gel (176° F for EtOH liquid)
Vapor Pressure (mm Hg.): 45 mm Hg @ 20° C
Vapor Density (AIR = 1): > 1
Specific Gravity (H2O = 1): 0.891
Melting Point: NA ionic activity will break gel
Evaporation Rate (Butyl Acetate = 1): Slower than Ether
Solubility in Water: Infinite
Appearance and Odor: Clear to slightly hazy viscous gel with EtOH odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NA for a gel (65° F for EtOH)
Flammable Limits: Flammable
LEL: 3.3%
UEL: NA
Extinguishing Media: Foam, water fog, dry chemical, carbon dioxide, halon
Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode when fighting fires.
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground. Vapors may be ignited by smoking pilot lamps, sparks, heaters, or other heat or flame sources. **KEEP AWAY FROM FIRE, HEAT OR FLAME!**

SECTION V: REACTIVITY DATA

Stability

Unstable: No

Stable: Yes

Conditions to Avoid: Avoid contact with strong oxidizing agents.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition

or Byproducts: Burning may produce carbon monoxide and carbon dioxide.

Hazardous Polymerization

May Occur: No

Will Not Occur: Yes

Conditions to Avoid: Salt or alkali will collapse gel

SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry

Inhalation? Yes

Skin? Yes

Ingestion? Yes

Health Hazards (Acute and Chronic): Product contains Ethanol (Denatured per ATF Formula SDA-40-B)

If swallowed, give 2 glasses of water and induce vomiting. Seek professional assistance or contact a **POISON CONTROL CENTER** immediately.

For eye contact, wash with water for 20 minutes and seek Professional assistance.

Carcinogenicity

NTP? NA Regulated by the Bureau of Alcohol, Tobacco and Firearms

IARC Monographs? NA

OSHA Regulated? NA

Signs and Symptoms of Exposure: Intoxication, drunken appearance. Product contain Ethanol!

Medical Conditions Generally

Aggravated by Exposure: Alcoholism! Sensitivity or allergy to ethyl alcohol.

Emergency and First Aid Procedures: See above (Health Hazards). Exposure to Ethanol through Ingestion can lead to cancer or liver failure.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case

Material is Released or Spilled: ELIMINATE ALL IGNITION SOURCES! Persons not wearing protective equipment should be excluded from the area. Small spills associated with use of the product should be cleaned up and the materials used kept away from ignitions sources.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken

in Handling and Storing: Avoid fire, heat, sparks, flame or other ignition sources. Store at room temperature or slightly below.
(Recommended storage temperature = 50⁰ F – 70⁰ F)

Other Precautions: NA

SECTION VIII: CONTROL MEASURES

Respiratory Protection (Specify Type): If workplace limit is exceeded, wear NIOSH approved respirator.

Ventilation

Local Exhaust: Adequate to prevent fume build-up!

Mechanical

(General): NA

Special: NA

Other: NA

Protective Gloves: NA

Eye Protection: NA

Other Protective Clothing
or Equipment: NA

Work / Hygienic Practices: NA