

BIODEFENSE™ SOLUTIONS

MATERIAL SAFETY DATA SHEET


I. General Information	
Issue Date:	October 13, 2009
Common/Trade Name:	Zytrel Hand Sanitizer
Manufacturer:	San-Mar Laboratories, Inc.
Address:	4 Warehouse Lane Elmsford, NY 10523
Phone:	(914) 592-3130
Chemtrec Phone Number:	N/A
Proper DOT Shipping Name:	N/A
DOT Hazard Classification:	Not a DOT regulated material
II. Ingredients	
Hazardous ingredients are listed only if present at concentration of 1% or greater (0.1% for carcinogens). For a complete list of ingredients, consult product labeling.	
Principal Hazardous Component:	SDA 40-B Alcohol (190)
Percent Threshold Limit Value:	70%
To Be Regarded As:	Non-Hazardous/Non-Restricted
III. Physical Data	
Boiling Point (degree F):	N/A
Specific Gravity (H2O=1):	0.80-0.94
Vapor Pressure (mm Hg.):	N/A
Percent Volatile By Volume (%):	N/A
Vapor Density (Air=1):	N/A
Evaporation Rate (____=1):	N/A
Soluble in Water:	Generally soluble, some components are not suluable
pH:	6.00-7.00
Visual Color:	Hazy Gel
Odor/Olfactory:	Alcohol
Texture:	Light Gel
IV. Fire & Explosion Hazard Data	
Flash Point (Test Method):	179.6 degrees F (Closed Cup)
Auto Ignition Temperature:	Not determined
Flammable Limits:	LEL: Not determined UEL: Not determined
Extinguishing Media:	Water Fog, Alcohol Foam, CO2
Special Fire Fighting Procedures:	Use water to cool fire exposed containers and structures, use water to disperse vapors.
V. Health Hazard Data	
OSHA Permissible Exposure Limit:	Not established
ACGIH Threshold Limit Value:	Not established
Carcinogen:	NTP Program: N/A IARC Program: N/A
Symptoms of Exposure:	None

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V. Health Hazard Data	
Medical Conditions Aggravated By Exposure:	None Established
Primary Route(s) of Entry:	None Established
VI. First Aid Measures	
Contact with Eyes:	Do Not Rub Eyes, flush eyes thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact physician.
In Case of Skin Irritation:	Rinse immediately with plenty of water. If condition worsens or irritation persists, contact physician.
In Case of Inhalation:	Move to fresh air, contact physician.
In Case of Ingestion:	Do not induce vomiting. Contact Physician or Poison Control Center.
VII. Reactivity Data	
Stability:	This material is stable under normal handling and storage conditions.
Conditions to Avoid:	None Known
Incompatibility:	Strong oxidizing agents, strong inorganic acids.
Materials To Avoid:	Strong oxidizing agents, strong inorganic acids.
Hazardous Polymerization:	Will not Occur
Hazardous Decomposition Products:	Carbon monoxide and/ or carbon dioxide.
VIII. Environmental Protection Procedures	
Spill Response:	Clean with soap and water
Waste Disposal Method:	Characteristic hazardous waste-flammable liquid. Dispose in accordance with all applicable federal, state and local environmental regulations.
IX. Special Protection Information	
Eye Protection:	Avoid contact with eyes
Skin Protection:	No protective equipment is needed for the use of this product as directed by the product label.
Respiratory Protection (Specific Type):	No protective equipment is needed for the use of this product as directed by the product label.
Ventilation Recommended:	N/A
Other Protection:	No protective equipment is needed for the use of this product as directed by the product label.
X. Special Precautions	
Hygienic Practices in Handling & Storage:	Store at room temperature. Store according to conditions established on product label.
Other Precautions:	N/A


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