

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION				
PRODUCT NAME:	Bio-Safe® Antibacterial Skin Protectant			
COMMON NAME:	Bio-Safe® Skin Protectant			
MSDS DATE:	June, 2005 (replacing MSDS dated June 2002)			
CHEMICAL FAMILY:	Cosmetic oil and water emulsion			
CHEMICAL FORMULA:	Mixed			
MANUFACTURER/SUPPLIER				
Distributed By: Eclectic Products, Inc. 1075 Arrowsmith Eugene, OR 97402 541-484-9621			EMERGENCY TELEPHONE NUMBERS	
			Emergency Number:	800-535-5053
			Non-Emergency Number:	541-484-9621
			Monday-Friday 8 - 5	
2. COMPOSITION/INFORMATION INGREDIENTS				
INGREDIENT NAME	CAS #	EXPOSURE LIMITS ¹		CONC. %
		OSHA (mg/m ³)	ACGIH (mg/m ³)	
Glycerin USP	56-81-5	15 total dust 5 respirable fraction	10	3.0

¹ Time Weighted Averages unless indicated otherwise

3. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW
This product does not contain hazardous ingredients and is considered non-toxic. It is not expected to cause skin, eye, or respiratory irritation. All ingredients are categorized by the US Food and Drug Administration as "Generally Regarded As Safe".
ROUTES OF ENTRY: Inhalation, eye, skin, ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:**INHALATION:** Not expected to aerosolize or cause respiratory tract irritation.**SKIN CONTACT:** Not expected to cause skin irritation.**EYE CONTACT:** Not expected to cause eye irritation.**INGESTION:** No evidence of adverse effects from available information.**CHRONIC EXPOSURE:** No adverse effects expected from product under normal use. Liver and kidneys effects have been reported from overexposure to glycerin.**CARCINOGENICITY:****ACGIH:** No **NTP:** No **IARC:** No **OSHA:** No**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:** Kidney discomfort has been reported to be aggravated by glycerin.**4. FIRST AID MEASURES****INHALATION:** No treatment required.**SKIN:** No treatment required.**EYE:** If product gets in eyes, flush with water. No other treatment required.**INGESTION:** No treatment required.**5. FIRE FIGHTING MEASURES****FLASH POINT:** >200° F**AUTO IGNITION TEMPERATURE:** Not applicable**LOWER FLAMMABLE LIMIT:** Not flammable**UPPER FLAMMABLE LIMIT:** Not flammable**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition yields carbon monoxide, carbon dioxide, and oxides of nitrogen.**FIRE AND EXPLOSION HAZARD:** Not flammable.**EXTINGUISHING MEDIA:** This product is non-combustible. Use appropriate media for surrounding fire.**SPECIAL FIRE FIGHTING PROCEDURES:** None.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES: Spills onto floor may cause a slippery surface. Pedestrian traffic should be alerted. Small spills may be allowed to dry or cleaned up using absorptive materials, such as cloth or paper toweling. Contain larger spills to avoid dispersion in waterways and groundwater. Larger spillage may be pumped or scooped into container with remaining product removed by commercial absorptive materials. Can be disposed as non-hazardous waste in accordance with local, state, and federal regulations.

7. HANDLING AND STORAGE:

HANDLING AND STORAGE PRECAUTIONS: This product is non-hazardous. Keep containers closed and out of direct sunlight when not in use. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EYE PROTECTION: None required

SKIN PROTECTION: None required

RESPIRATORY PROTECTION: None required

ENGINEERING CONTROLS: Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE/PHYSICAL STATE:	White viscous lotion		
BOILING POINT:	212° F	ODOR:	Mild, medicinal odor
MELTING/FREEZING POINT:	Variable, less than 32° F		
SOLUBILITY IN WATER:	Dispersible	pH:	~7
SPECIFIC GRAVITY:	0.97		
% VOLATILE BY WEIGHT:	<3	VAPOR DENSITY:	1 (air=1)
VAPOR PRESSURE:	<18 mmHg @70° F		

10. REACTIVITY/STABILITY:

STABILITY: Stable

CONDITIONS OF REACTIVITY: None

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITIES: Water content may react with strong oxidizers

DECOMPOSITION PRODUCTS: Thermal decomposition yields carbon monoxide, carbon dioxide, and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION:

Acute Oral Toxicity: LD₅₀ of tested product greater than 5g/kg

Primary Eye Irritation: Product considered non-irritating based on Draize test.

Dermal Irritation, Sensitization: Product determined to be non-irritant and non-sensitizer based on repeat insult patch testing using modified Draize Assay.

Carcinogenicity: No constituents listed as carcinogenic in published studies.

12. ECOLOGICAL INFORMATION:

Not data available on aquatic toxicity or biodegradation of product. One constituent, glycerin, is reported to be toxic for aquatic life. Divert and contain spills consistent with good ecological practice.

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Follow federal, state, and local regulations. Applicable to non-hazardous waste.

14. TRANSPORTATION INFORMATION: (Not Regulated)

15. REGULATORY INFORMATION:

OSHA: See Section 1 for constituents covered by the Hazard Communication Standard (29 CFR 1910.1200).

TSCA: Does not apply.

CERCLA REPORTABLE QUANTITY (pounds): Not applicable

SARA TITLE III:

Section 302 Extremely Hazardous Substance: None

Section 311/312 Hazard Categories: None

Section 313 Toxic Chemicals: None

RCRA: Product and constituents are not listed.

STATE REGULATORY INFORMATION: None of the chemical constituents are specifically listed by individual states; other product specific health and safety data in other section of the MSDS may also be applicable for state requirements. For details on specific regulatory requirements, contact the appropriate state agency. None of the constituent chemicals are substances known to the state of California to cause cancer and/or reproductive toxicity under Prop 65.

CANADA: This product is not regulated as a Controlled Product under WHMIS.

HMIS RATING: Health = 0 Fire = 1 Reactivity = 0 PPE= None

NFPA Rating: Health = 0 Fire = 1 Reactivity = 0 PPE = None

16. OTHER INFORMATION:

MSDS STATUS: Final

REVISION NUMBER: Version 3.0 (replaces MSDS dated June 2001)

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