SONAR PRODUCTS, INC.

609 Industrial Road. Carlstadt, NJ 07072 Phone: (201) 729-1116 • Fax: (201) 729-1066

MATERIAL SAFETY DATA SHEET

Compliant with OSHA 29 CFR 1910 1200, refer to Standard for specific requirements,
Conforms to OSHA form OMB #1218-0072

[1] PRODUCT and COMPANY INFORMATION:

Manufacturer Information:

Sonar Products Inc.
ATTN: Dr. Jerry DeMenna
609 Industrial Road
Carlstadt, NJ 07072
800-531-2436 // FAX: 201-729-1066 // E-Mail: gdemenna@sonarproducts.com

Emergency Contact Information:
CHEMTREC / Domestic North America
800-424-9300 // 702-527-3887 (collect)

Product Name: **SonaFine Topical Emulsion®tm**
Use: Topical wound dressing emulsion / lotion
Generic Description: A thick white cream with no discernable odor

[2] HAZARDS IDENTIFICATION:

Appearance and Odor:
A thick white cream with no discernable odor

Contains no hazardous materials

Emergency Overview

This **Sonar®tm** brand Product is a personal care and/or cosmetic product that is safe for consumers when used as directed. They do not present an inhalation, ingestion, or contact health hazard unless subjected to misuse; such as intentional or accidental inhalation.
(See Section 11 – Toxicological Information)

OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200) and/or WHMIS under the HPA. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained & available for employees and users of this product.

Potential Health Effects

Primary Routes of Entry: Inhalation, Ingestion

Target Organs: None.

Inhalation: Non-volatile components used in Product and no respiratory irritation is expected. Intentional or accidental inhalation of this product may result in coughing, dyspnea, wheezing, general irritation of the nose throat, and upper respiratory tract, and impaired pulmonary function. (See Section 11 – Toxicological Information)

Skin Contact: No known adverse effects. Not expected to be irritating or cause sensitivity when used as directed. If any irritation occurs following intended use or prolonged exposure, these effects are expected to be mild and transient.

Eye Contact: Direct contact may cause mild, local irritation. Rinse well with water if redness or stinging occurs.

Ingestion: No known adverse effects when used as directed. Material is made for topical applications, but intentional or accidental ingestion of actual Product (undiluted) may cause gastric disturbances with some nausea, vomiting and/or diarrhea.

[3] COMPOSITION / INFORMATION on INGREDIENTS:

Component	CAS-Number	Weight Percent
Stearic Acid	57-11-4	~10% nominal
Ethylene Glycol Monostearate	111-60-4	~7% nominal
Propylene Glycol	57-55-6	~3% nominal
Mineral Oil	8009-03-8	~3% nominal

[4] FIRST AID MEASURES:

- **Inhalation**: Remove exposed individual to fresh air immediately. If breathing difficulty persists, seek medical attention.
- **Skin**: No action needed, non-irritating, not expected to require first aid measures. Prolonged exposure to excessive amounts may cause skin irritation and discomfort from inflammation of sensitive areas.
- **Eye**: Immediately flush eyes with water for 15 minutes. Remove contact lenses (if applicable). Seek medical attention if irritation persists.
- **Ingestion: SonaFine Topical Emulsion®tm** is non-hazardous when used as directed for external / topical applications and is not intended for internal use. Intentional or accidental ingestion may cause abdominal discomfort. Seek medical attention if problem persists.

[5] FIRE FIGHTING MEASURES:

Flammable Properties

- Not flammable or combustible.
- NFPA Hazard Class No. 1/0/0

Extinguishing Media

- Not flammable or combustible
- Dry chemical, foam, water, fog or spray; if needed

Protection of firefighters

- Standard protective equipment and precautions

Fire and Explosion Hazards

- None

Hazardous Combustion Products

- None

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[6] ACCIDENTAL RELEASE MEASURES:

Not applicable, as product is an non-toxic, water-based composite.

General recommendations:

- Wear appropriate Personal Protective Equipment (See Section 8)
- Maintain Proper Ventilation
- Waste material is not hazardous waste. Dispose of in accordance with applicable federal, state and local regulations.

[7] HANDLING and STORAGE:

- Avoid contact with eyes, skin and clothing.
- Wear recommended personal protective equipment when handling. (See Section 8)
- Avoid intentional or accidental inhalation of liquid.
- Store material in a cool, dry, ventilated area.

[8] EXPOSURE CONTROL / PERSONAL PROTECTION:

Exposure Guidelines

Component	Exposure Limits OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Stearic Acid	15 (T)	10 (T)
Ethylene Glycol Monostearate	150 (T)	50 (T)
Propylene Glycol	15 (T)	10 (T)
Mineral Oil	15 (T))	5 (T)

T-Total Aerosol

Engineering Controls

- Not applicable, as product is a water-based composite.

Personal Protective Equipment

- Not applicable, as product is a water-based composite.

[9] PHYSICAL and CHEMICAL PROPERTIES:

Appearance: Light yellow gel
Odor: Slight alcoholic odor
Physical State: viscous liquid
pH: ~7.0
Solubility (H2O): mixable in all proportions
Boiling / Freezing / Melting Points: 100°C / 0°C
Decomposition Temperature: 1150°C
Vapor Pressure: n/a
Vapor Density: n/a
Volatile Organic Compounds (VOC): < 2.5%

Flammability: n/a
Flash Point: 30°C (CC) / Pensky-Martens ASTM D93
Upper / Lower Explosive Limits: n/a
Auto-Ignition Temperature: n/a
Partition Coefficient: n/a
Evaporation Rate: n/a
Molecular Weight: n/a (mixture)
Molecular Formula: (H2O)(C3H8O2)
Specific Gravity: ~0.95 grams/CC
Bulk Density: ~64 lbs/ft3

n/a = Not Applicable

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[10] STABILITY AND REACTIVITY:

Chemical stability: Stable in all environments, avoid prolonged exposure to sunlight and heat.
Conditions to avoid: None.
Incompatibility: None.
Hazardous decomposition: none.
Hazardous polymerization: Will not occur.

[11] TOXICOLOGICAL INFORMATION:

Human Data
There is no information on toxicokinetics, metabolism and distribution.
Sonar Products maintains data from a general Safety Study on file, if needed.

There have been reports of irritation to mucus membranes of the eyes and respiratory tract upon acute exposure to aerosols in excess of the recommended limits.

Heavy Metals testing per USEPA SW-846 Protocols identified no Heavy Metals above their respective Action Limits: Lead (Pb) < 25ppm; Mercury / Arsenic / Cadmium / Barium; < 2ppm.

Animal Data
There is no information on toxicokinetics, metabolism and distribution.

[12] ECOLOGICAL INFORMATION:

This Inert, non-reactive product is based on natural source materials and does not present an ecological hazard to the environment.

Ecotoxicological Information
All RCRA / TCLP Heavy Metals (Mercury, Lead, Cadmium, Silver, Arsenic, Selenium, Barium, Tin, Bismuth, were all found below currently published Federal Action Limits.

Environmental Fate
SonaFine Topical Emulsion®tm is a water-based, biologically compatible product. Biodegradation and/or bioaccumulation potential is not applicable.

[13] DISPOSAL CONSIDERATIONS:

- Dispose of according to Local, State, Federal, and Provincial Environmental Regulations.
- Recycle plastic container, if possible.

[14] TRANSPORT INFORMATION:

- This product is not a DOT hazardous material
- Shipping Name: Same as product name
- ICAO/IATA/IMO: Not applicable.

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[15] REGULATORY INFORMATION:

All ingredients are included on the TSCA Inventory.

Federal Regulations
SARA Title III: Not listed under Sections 302, 304, and 313.
CERCLA: Not listed.
RCRA: Not listed.
OSHA: Not listed.
State Regulations
California Prop 65: Not applicable
Canada WHMIS
All components of this product are included in the Canadian Domestic Substances List (DSL).

[16] OTHER INFORMATION:

MSDS Revision Summary

Effective Date of Change:	8/31/2011	Supersedes:	new
Format Changes:	ANSI, no change; ISO, no change		

Key/Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Services Number
CFR	Code of Federal Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
ICAO	International Civil Aviation Organization
NIOSH	National Institute for Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

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