GARDENA, CA
NEW BRUNSWICK, NJ

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment
	Health Hazard 1 Fire Hazard 1 Reactivity 0	 See Section 15.

Section 1. Chemical Product and Company Identification

Common Name/ Trade Name	**Base, Cream with Liposome**
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248
Commercial Name(s)	Not available.
Synonym	Not available.
Chemical Name	Not applicable.
Chemical Family	Not available.
Chemical Formula	Not applicable.
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248

Catalog Number(s).	B1204
CAS#	Mixture.
RTECS	Not applicable.
TSCA	TSCA 8(b) inventory: Water; Glycerin; Glyceryl Monostearate; Cetyl alcohol; Magnesium aluminum silicate; Xanthan gum; Vitamin E acetate; Almond oil, bitter; Wheat germ oil; Vitamin A Palmitate; Ascorbyl palmitate; 2-Phenoxyethanol
CI#	Not available.

IN CASE OF EMERGENCY
CHEMTREC (24hr) 800-424-9300

CALL (310) 516-8000

Section 2.Composition and Information on Ingredients

		Exposure Limits			
Name	**CAS #**	**TWA (mg/m³)**	**STEL (mg/m³)**	**CEIL (mg/m³)**	**% by Weight**
1) Water	7732-18-5				The identity of the individual percentage of the components of this mixture is proprietary information and is regarded as a trade secret.
2) Glycerin 3) Lysolecithin	56-81-5	15			

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4) Perilla Frutescens Seed Oil					
5) C12-15 Alkyl Benzoate					
6) Glyceryl Monostearate	31566-31-1				
7) Dimethicone	9006-65-9				
8) Cetearyl Alcohol					
9) Cetearyl Glucoside					
10) Polyacrylamide					
11) Cetyl alcohol	36653-82-4				
12) Magnesium aluminum silicate	1327-43-1 or 12199-37-0				
13) Xanthan gum	11138-66-2				
14) Aloe Vera (Aloe Barbadensis)					
15) Tocopheryl Acetate (Vitamin E acetate)	7695-91-2				
16) (Prunus Amygdalusl Amara) Almond oil, bitter	8013-76-1				
17) Grape (Vitis Vinifera) Seed Extract					
18) Wheat (Triticum Vulgare)germ oil					
19) Vitamin A Palmitate (Retinyl Palmitate)	79-81-2				
20) Ascorbyl palmitate (Vitamin C Palmitate)	137-66-6				
21) Ethylenediaminetetraacetic acid tetrasodium salt	10378-23-1				
22) {2-}Phenoxyethanol	122-99-6				
23) Sodium Hydroxymethylglycinate					

Toxicological Data on Ingredients

Glycerin:
ORAL (LD50): Acute: 12600 mg/kg [Rat]. 4090 mg/kg [Mouse].
DERMAL (LD50): Acute: 10000 mg/kg [Rabbit].
VAPOR (LC50): Acute: >570 mg/m^3 1 hours [Rat].

Lysolecithin
LD50: Not available.
LC50: Not available.

Perilla Frutescens Seed Oil
LD50: Not available.
LC50: Not available.

C12-15 Alkyl Benzoate
LD50: Not available.
LC50: Not available.

Dimethicone
ORAL (LD50): Acute: >20000 mg/kg [Rat]
LC50: Not available.

Cetearyl Alcohol
LD50: Not available.
LC50: Not available.

Cetyl alcohol:
ORAL (LD50): Acute: 5000 mg/kg [Rat]. 3200 mg/kg [Mouse].
DERMAL (LD50): Acute: >2600 mg/kg [Rabbit].

Xanthan gum
LD50: Not available.
LC50: Not available.

Almond oil, bitter:
ORAL (LD50): Acute: 960 mg/kg [Rat].
DERMAL (LD50): Acute: 1220 mg/kg [Rabbit].

Vitamin A Palmitate:
ORAL (LD50): Acute: 7910 mg/kg [Rat]. 6060 mg/kg [Mouse].

Ascorbyl palmitate:
ORAL (LD50): Acute: 25000 mg/kg [Mouse].
DERMAL (LD50): Acute: >3000 mg/kg [Guinea pig].

Ethylenediaminetetraacetic acid tetrasodium salt:
ORAL (LD50): Acute: >2000 mg/kg [Rat].

2-Phenoxyethanol:
ORAL (LD50): Acute: 1260 mg/kg [Rat].
DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].

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Section 3. Hazards Identification

Potential Acute Health Effects	Slightly hazardous in case of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-irritant for skin. Non-hazardous in case of inhalation. Non-corrosive to the eyes. Non-corrosive for lungs.
Potential Chronic Health Effects	Slightly hazardous in case of skin contact (irritant, sensitizer). **CARCINOGENIC EFFECTS**: Not available. **MUTAGENIC EFFECTS**: Mutagenic for mammalian somatic cells. [Vitamin A Palmitate]. **TERATOGENIC EFFECTS**: Classified POSSIBLE for human [Vitamin A Palmitate]. **DEVELOPMENTAL TOXICITY**: Classified Reproductive system/toxin/female, Reproductive system/toxin/male, Development toxin [POSSIBLE] [Vitamin A Palmitate].

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Serious Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	CLOSED CUP: 193.33°C (380°F).
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...). Some metallic oxides.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of heat. Non-flammable in presence of open flames and sparks, of shocks, of reducing materials, of organic materials, of metals, of acids, of alkalis, of moisture.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Not available. Non-explosive in presence of shocks.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	As with most organic solids, fire is possible at elevated temperatures
Special Remarks on Explosion Hazards	Glycerin is incompatible with strong oxidizers such as chromium trioxide, potassium chlorate, or potassium permanganate and may explode on contact with these compounds. Explosive glyceryl nitrate is formed from a mixture of glycerin and nitric and sulfuric acids. Perchloric acid , lead oxide + glycerin form perchloric esters which may be explosive. Glycerin and chlorine may explode if heated and confined. (Glycerin)

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Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Do not ingest. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	**Glycerin** TWA: 10 (mg/m^3) from ACGIH (TLV) [United States] [1999] Inhalation Total. TWA: 15 (mg/m^3) from OSHA (PEL) [United States] Inhalation Total. TWA: 10 STEL: 20 (mg/m^3) [Canada] TWA: 5 (mg/m^3) from OSHA (PEL) [United States] Inhalation Respirable. Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid. (Opaque Smooth Gel Cream)	**Odor**	Odorless.
Molecular Weight	Not applicable.	**Taste**	Not available.
pH (1% soln/water)	Not available	**Color**	Beige. (Light.)

Boiling Point	100°C (212°F)
Melting Point	116°C (240.8°F) based on data for: Ascorbyl palmitate. Weighted average: 82.65°C (180.8°F)
Critical Temperature	The lowest known value is 487.85°C (910.1°F) (Cetyl alcohol).
Specific Gravity	Weighted average: 0.99 (Water = 1)
Vapor Pressure	Not applicable.
Vapor Density	>1 (Air = 1)
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water

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Solubility	Soluble in cold water, hot water

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Excess heat, incompatible materials
Incompatibility with various substances	Reactive with oxidizing agents.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Hygroscopic. Glycerin is incompatible with strong oxidizers such as chromium trioxide, potassium chlorate, or potassium permanganate. Glycerin may react violently with acetic anhydride, aniline and nitrobenzene, chromic oxide, lead oxide and fluorine, phosphorous triiodide, ethylene oxide and heat, silver perchlorate, sodium peroxide, sodium hydride. (Glycerin)
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact.
Toxicity to Animals	Acute oral toxicity (LD50): 960 mg/kg [Rat]. (Almond oil, bitter). Acute dermal toxicity (LD50): 1220 mg/kg [Rabbit]. (Almond oil, bitter).
Chronic Effects on Humans	**MUTAGENIC EFFECTS**: Mutagenic for mammalian somatic cells. [Vitamin A Palmitate]. **TERATOGENIC EFFECTS**: Classified POSSIBLE for human [Vitamin A Palmitate]. **DEVELOPMENTAL TOXICITY**: Classified Reproductive system/toxin/female, Reproductive system/toxin/male, Development toxin [POSSIBLE] [Vitamin A Palmitate]. Contains material which may cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).
Other Toxic Effects on Humans	Slightly hazardous in case of ingestion. Non-irritant for skin. Non-hazardous in case of inhalation.
Special Remarks on Toxicity to Animals	TDL (rat) - Route: Oral; Dose: 100 mg/kg 1 day prior to mating. TDL (human) - Route: Oral; Dose: 1428 mg/kg (Glycerin)
Special Remarks on Chronic Effects on Humans	Not available
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: It is not expected to cause skin irritation. However, it may cause mild irritation on sensitive skin. It may be absorbed through the skin. Eyes: May cause minimal eye irritation. Ingestion: Low hazard. May cause nausea, vomiting, diarrhea. Contains Glycerin which may affect behavior/centeral nervous system/nervous system (central nervous system depression, general anesthetic, headache, dizziness, confusion, insomnia, toxic psychosis, muscle weakness, paralysis, convulsions), kidneys, liver, cardiovascular system. Contains Cetyl alcohol with may affect behavior/central nervous system (tremor, ataxia). Contains Vitamin A Palmitate with may affect the liver, and behavior/central nervous system (somnolence). Contains Vitamin C Palmitate with may affect the kidneys. Conatins Vitamin E Acetate affect behavior/central nervous system (weakness, fatigue). Inhalation: Not expected to be an inhalation hazard and not expected to cause respiratory tract irritation when handling the product as is. If the cream is boiled, the vapor may cause respiratory tract irritation. Breathing high concentrations of the boiling vapor may affect behavior/central nervous system (anesthetic affects). Chronic Potential Health Effects: Skin: For sensitive skin, repeated long term immersion (skin contact) may cause mild dermatitis. Ingestion: Repeated daily dosing of large amounts may cause nausea, vomiting, diarrhea, and affect the liver. Contains Glycerin which may affect the blood (changes in blood serum composition, changes in white blood cell count), in addition to the kidneys Contains Cetyl Alcohol which can affect behavior/central nervous system (tremor, ataxia, and other CNS effects). Contains Vitamin C Palmitate which may affect the kidneys.

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Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
Identification	Not applicable.
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Vitamin A Palmitate
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Vitamin A Palmitate
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.
Illinois toxic substances disclosure to employee act: Glycerin
Rhode Island RTK hazardous substances: Glycerin
Pennsylvania RTK: Glycerin; 2-Phenoxyethanol
Minnesota: Glycerin
Massachusetts RTK: Glycerin
TSCA 8(b) inventory: Water; Glycerin; Glyceryl Monostearate; Cetyl alcohol; Magnesium aluminum silicate; Xanthan gum; Vitamin E acetate; Almond oil, bitter; Wheat germ oil; Vitamin A Palmitate; Ascorbyl palmitate; 2-Phenoxyethanol

California Proposition 65 Warnings	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Vitamin A Palmitate
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

WHMIS (Canada)	Not controlled under WHMIS (Canada).	
DSCL (EEC)	Not available	Not available

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HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	B

National Fire Protection Association (U.S.A.)

Health

Flammability

Reactivity

Specific hazard

WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Equipment

Gloves.

Lab coat.

Safety glasses.

Section 16. Other Information

MSDS Code	**B3012**
References	Not available.
Other Special Considerations	Not available.

Validated by Sonia Owen on 8/11/2006.

Verified by Sonia Owen.

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CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.