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Date: 02 / 24 / 2021

Version: 1

Cancels and replaces version:

SECTION 1. IDENTIFICATION

Product Name/Identifier	Geogard ECT
Product Code	FSSB22046
Recommended Use	Ingredients/Raw materials used in the manufacturing of Cosmetic Products'
Restrictions on Use	Refer to the detailed list of labeling/restrictions (Section 15 Regulatory Information)
Supplier Site	Formulator Sample Shop
Address	135 Joshua Court Lincolnton, NC 28092, USA
Telephone No. (24hrs)	1-704-276-7540

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC:
 +1 703-741-5970 (or) 1-800-424-9300

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Classification:

Acute Toxicity (Oral):	Category 4
Acute Toxicity (Inhalation):	Category 4
Serious Eye Damage:	Category 1

GHS Labeling Elements:

Pictogram:



Hazard statements/Signal Word:	H302: DANGER: Harmful if swallowed H318: DANGER: Causes serious eye damage H332: DANGER: Harmful if inhaled
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Precautionary statements:

Prevention:	P233: Keep container tightly closed P261: Avoid breathing dust/fume/gas/mist/vapors/spray P264: Wash skin thoroughly after handling P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves/protective clothing/eye protection/face protection
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Response: P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
 P304 + P312 + P340: IF INHALED: Call a POISON CENTER/doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.
 P305 + P310 + P338 + P351: IF IN EYES: Immediately call a POISON CENTER or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal: P501: Dispose of contents/container in accordance with local regulations.

Other hazards: None known

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Chemical Name: Benzyl Alcohol & Salicylic Acid & Sorbic Acid

Chemical Family: Mixture

Description: Mixture: consisting of the following components. This section describes all components of the mixture

<u>Substance</u>	<u>CAS Numbers</u>	<u>EC Numbers</u>	<u>Percentage</u>
Benzyl Alcohol	100-51-6	202-859-9	77.00 – 86.00%
Salicylic Acid	69-72-7	200-712-3	8.00 – 15.00%
Glycerin	56-81-5	200-289-5	3.00 – 5.00%
Sorbic Acid	110-44-1	203-768-7	1.00 – 4.00%

Formula: Not applicable

SECTION 4. FIRST-AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Move to fresh air from exposure area. Get medical attention after significant exposure. If unconscious, place in a recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Keep respiratory tract clear.

Skin contact: Wash immediately with plenty of soap and water. Take off contaminated clothing and shoes. Call a physician if irritation persists.

Eye contact: Immediately rinse with plenty of water, while keeping the eye wide open. Continue rinsing eyes during transport to the hospital. Get medical advice/attention. Remove contact lenses. Protect unharmed eye. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

Ingestion: Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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Most important symptoms and effects, both acute and delayed: Not determined

Notes to physician: Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable: Water spray, alcohol-resistant foam & dry chemicals

Not suitable: High volume water jet

Fire fighting: Heating of fire can release toxic gas. Do not allow run-off from fire-fighting to enter drains or water courses.

Protection for fire-fighters: Boots, gloves, goggles and self-contained breathing apparatus.

Further information: Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes.
Wear Personal Protective Equipment:
- Protective glasses with side-shields
- Protective gloves
- Suitable protective clothing

Use respirator when performing operations involving potential exposure to vapour of the product.

Environmental precautions: Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up:

Recovery: Contain spillage, absorb with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations.

Cleaning/Decontamination: Wash non-recoverable remainder with water.

Disposal: For disposal of residues refer to sections 8 & 13.

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SECTION 7. HANDLING AND STORAGE

Handling

Technical measures:

Measures:

Safe handling advice:

Labeling: Keep out of the reach of children. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Do not breath vapours/dust. Wash hands carefully after use. Avoid storage near feed or food stuff. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Storage

Technical measures:

Incompatible materials:

Packaging:

Packaging materials:

Keep container tightly closed. Keep in a well-ventilated place. Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sun-light.

Avoid contact with strong acids, strong bases and oxidizing agents. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)

Product may be packaged in normal commercial packaging.
 Recommended - Polypropylene & High Density Polyethylene

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary statements:

Ensure adequate ventilation

Control parameters

Components with workplace occupational exposure limits:

Ingredient	CAS Number	Value Type	Control Parameters/Permissible Concentration	Basis
Benzyl Alcohol	100-51-6	TWA	10 ppm 44.20 mg/m3	WEEL

Personal Protective Equipment:

Respiratory protection:

In the case of vapour formation use a respirator with an approved ABEK filter. Respirator with a vapour filter (EN 141).

Hand protection:

Wear protective gloves (Nitrile rubber break through time > 480 min)

Eye protection:

Safety glasses with side shields conforming to EN166. Wear face-shield and protective suit for abnormal processing problems.

Collective emergency equipment:

Eye fountain.

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Personal Protective Equipment (Continued):

Skin and Body Protection: Choose body protection/impervious clothing according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid
Color (Gardner)	2 Maximum
Odor:	Characteristic
Specific Gravity:	1.018-1.118
pH:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Density:	1.05 – 1.15 g/cm ³
Relative Vapour Density:	Not determined
Boiling Point:	473°F (245°C)
Melting point:	Not determined
Flash point:	270°F (132°C)
Oxidizing properties:	Not determined
Evaporation rate:	Not determined
Solubility:	
In water:	Slightly soluble
In organic solvents:	Not determined
Log P:	Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Stability:	Stable under recommended storage conditions.
Hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	Keep away from heat.
Materials to avoid:	Strong acids, strong bases and oxidizing agents.

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Hazardous decomposition products: No decomposition if used as directed

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Skin Corrosion/Irritation: Not Determined

Serious Eye Damage/Eye Irritation: Not Determined

Acute Oral Toxicity: Calculation Method: 1,424 mg/kg

Acute Inhalation Toxicity: Calculation Method (Dust/mist, 4h): 1.74 mg/l

Acute Dermal Toxicity: LD₅₀ (Rabbit, Estimated): > 2,000 mg/kg (The substance or mixture has no acute dermal toxicity)

Respiratory or Skin Sensitization: Not Determined

Germ Cell Mutagenicity:

Genotoxicity in vitro: Not Determined

Carcinogenicity: Not Determined

 This product does not contain any ingredient designated as probable or suspected human carcinogens by:
 NTP, IARC, OSHA, ACGIH

Reproductive Toxicity:

Effects on Fertility: Not Determined

STOT:

STOT-Single Exposure: Not Determined

STOT-Repeated Exposure: Not Determined

Aspiration Toxicity: No aspiration toxicity classification

The following ecotoxicological data refer to:
Benzyl Alcohol (CAS Number 110-51-6):
Skin Corrosion/Irritation: Non-Irritant (Rabbit, 4h, OECD Test Guideline 404)

Serious Eye Damage/Eye Irritation: Moderate Irritant (Rabbit, OECD Test Guideline 405)

Acute Toxicity:

 Acute Oral Toxicity: 1,610 mg/kg
 LD₅₀ (Rat, Literary reference)

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Acute Inhalation Toxicity: > 4.178 mg/l
 LC₅₀ (Rat, 4h, Dust/mist)
 The substance or mixture has no acute inhalation toxicity

Acute Dermal Toxicity: 2,000 mg/kg
 LD₅₀ (Rabbit, Literary reference)
 The component/mixture is minimally toxic after single contact with skin

Respiratory or Skin Sensitization: Non sensitizing (Guinea pig, Magnusson & Kligman, Literary reference)

Germ Cell Mutagenicity:

Genotoxicity in vitro: Non-Mutagenic (AMES)
 Equivocal (Mouse lymphoma cells, Gene mutation test)
 Positive (Chromosome aberration test in vitro)

Genotoxicity in vivo: Non-Mutagenic (Mouse, 500 – 100 – 200 mg/kg, ip, In vivo micronucleus test)

Reproductive Toxicity:

Effects on Fertility: NOAEL: 550 mg/kg food (Mouse, female, oral, 10d)

Repeated Dose Toxicity: Rat, oral, Literary reference

Further Information:

- May cause sensitization of susceptible persons by skin contact
- Dermal absorption possible
- High concentration of vapours may induce unconsciousness

The following ecotoxicological data refer to:

Salicylic Acid (CAS Number 69-72-7):

Skin Corrosion/Irritation: Non-Irritant (Rabbit, OECD Test Guideline 404)

Serious Eye Damage/Eye Irritation: Severe eye irritant (Rabbit)

Acute Toxicity:

Acute Oral Toxicity: 891 mg/kg
 LD₅₀ (Rat)

Acute Inhalation Toxicity: > 0.9 mg/l
 LC₅₀ (Rat, 1h, Dust/mist)
 The substance or mixture has no acute inhalation toxicity

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Acute Dermal Toxicity: > 2,000 mg/kg
LD₅₀ (Rat)

Germ Cell Mutagenicity:

Genotoxicity in vitro: Non-Mutagenic (Salmonella typhimurium, AMES)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish: Not Determined

Persistence & Degradability:

Biodegradability: Not Determined

Bioaccumulative potential:

Bioaccumulation: Not Determined

Components:

Benzyl Alcohol:

Partition coefficient: n-octanol/water: log Pow: 1.1

Mobility in soil:

Distribution among environmental compartments: Not Determined

Other Adverse Effects:

Ozone-Depletion Potential: Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional Ecological Information: Not Determined

The following ecotoxicological data refer to:

Benzyl Alcohol (CAS Number 110-51-6):

Ecotoxicity:

Toxicity to fish: 646 mg/l
LC₅₀ (Leuciscus idus (Golden orfe), 48h):
Method: DIN 38412 Part 15
460 mg/l

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LC₅₀ (Pimephales promelas (fathead minnow), 96h)

**Toxicity to Daphnia and Other
Aquatic Invertebrates:**

400 mg/l
 EC₅₀ (Daphnia magna (Water flea), 24h, Literary reference):
 Immobilization: Method: DIN 38412 L11

Toxicity to algae:

770 mg/l
 IC₅₀ (Pseudokirchneriella subcapitata (green algae), 72h, Unpublished Reports):
 Method: OECD Test Guideline 201

310 mg/l
 NOEC (Pseudokirchneriella subcapitata (green algae), 72h)
 Method: OECD Test Guideline 201

**Chronic Toxicity to daphnia and
other aquatic invertebrates:**

51 mg/l
 NOEC (Daphnia magna (Water flea), 21d)
 Method: OECD Test Guideline 211

Toxicity to microorganisms:

658 mg/l
 EC₅₀ (Pseudomonas putida, 16h, Literary reference)

 71 mg/l
 EC₅₀ (Photobacterium phosphoreum, 30min, Literary reference)

Persistence and degradability:

Biodegradability: > 90.0% - Readily Biodegradable
 Closed Bottle Test (30d, Literary reference)
 Method: OECD Test Guideline 301D

Bioaccumulative Potential:

Bioaccumulation: BCF 4 – Does not bioaccumulate (Literary reference)

Mobility in Soil:

Distribution among
 Environmental compartments: Adsorption/soil (Literary reference)

Other Adverse Effects: Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

Residues from product

Prohibition: Do not allow the product to be released into the Environment.

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Destruction/Disposal: Contact waste disposal services. Dispose of in accordance with relevant local regulations.

Contaminated packaging

Decontamination/cleaning: Dispose of contents as unused product. Dispose container in accordance with local regulation.

Destruction/Disposal: Do not re-use empty containers.

Note: Take all necessary precautions when disposing of this product according to local regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number: None
 UN Shipping Name: None

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID
 Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG
 Air: Material is not restrictive for air transport and is not regulated by ICAO/IATA

Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers
 This material is not dangerous or hazardous

Special Precautions for User: None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

SECTION 15. REGULATORY INFORMATION

Labeling/Restrictions:

EC regulations: Not to be used for children under three years of age
 Chinese regulations: Not to be used for children under three years of age
 Brazilian regulations: Not to be used for children under three years of age
 ASEAN regulations: Not to be used for children under three years of age
 Mexico regulations: Not to be used for children under three years of age

Federal Regulations:
US EPA EPCRA (Emergency Planning and Community Right-to-Know Act:

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4):
 This material does not contain any components with a CERCLA RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity:

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This material does not contain any components with a section 304 EHS RQ.

SARA Hazard Designation Sections 311/312 (40 CFR 370):

See above: SECTION 2. Hazard Identification-GHS Classification

Section 313 Toxic Chemicals (40 CFR 372.65):

This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act:

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Components	CAS Number	Concentration
Benzyl Alcohol	100-51-6	
Salicylic Acid	69-72-7	
Glycerol	56-81-5	
Sorbic Acid	110-44-1	

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act:

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations:
Massachusetts Right to Know:

Components	CAS Number
Benzyl Alcohol	100-51-6
Glycerol	56-81-5

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Pennsylvania Right to Know:

Components	CAS Number
Benzyl Alcohol	100-51-6
Salicylic Acid	69-72-7
Glycerol	56-81-5
Sorbic Acid	110-44-1

New Jersey Right to Know:

Components	CAS Number
Benzyl Alcohol	100-51-6
Salicylic Acid	69-72-7
Glycerol	56-81-5
Sorbic Acid	110-44-1

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian National Pollutant Release Inventory (NPRI):

No component is listed

Other regulations:

EINECS inventory status:	Benzyl Alcohol:	202-859-9
	Salicylic Acid:	200-712-3
	Sorbic Acid:	203-768-7
TSCA inventory status:	Exempt	
AICS inventory status:	100-51-6 & 69-72-7 & 110-44-1	
Canadian (CEPA DSL) inventory status:	Listed as Benzenemethanol (DSL) & Benzoic acid, 2-hydroxy- (DSL) & 2,4-Hexadienoic acid, (E,E)- (DSL)	
Japan (MITI list):	Benzyl Alcohol & Salicylic Acid & Sorbic Acid	
Korea:	Benzyl Alcohol & Salicylic Acid & Sorbic Acid	
China inventory status:	Benzyl Alcohol & Salicylic Acid & Sorbic Acid	
Philippines inventory status:	Listed as: Benzenemethanol & Benzoic acid, 2-hydroxy- & 2,4-Hexadienoic acid, (E,E)-	

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

SECTION 16. OTHER INFORMATION

Prohibited uses: For specific uses, food industry, ask the manufacturer for more information.

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Last Revision Date: N/A

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MSDS summary of changes No deletion, addition or revision to date

The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.