

Safety Data Sheet Geogard 221

October 10th, 2020

Section 1: Chemical Product and Company Identification

Product name: Geogard 221
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:

Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

GHS Classification

Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 4
Eye irritation : Category 2A

GHS Label Element:

Hazard pictograms



Signal Word: Warning

Hazard statements

H302 + H332 Harmful if swallowed or inhaled



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H319 Causes serious eye irritation

Precautionary Statements

Prevention:

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 eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Storage:

P402 + P404 Store in a dry place. Store in a closed container.
P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Other hazards: None known.

Section 3: Composition/Information on Ingredients

Section 3: Mixtures

Chemicals (GHS):

CAS# <i>Ingredient</i>	EC#	Conc. Range
Benzyl alcohol	100-51-6	>=70-<90%
3-Acetyl-6-methyl-2H-pyran-2, 4(3H)-dione	520-45-6	>=5-<10%

Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation: Move to fresh air. Consult a physician after significant exposure. If unconscious, place in a recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration, keep the respiratory tract clear.

Eye Exposure: Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Remove contact lenses. Keep eyes wide open while rinsing, protect the unharmed eye.

Skin Exposure: After contact with skin, wash immediately with plenty of soap and water. If on clothes, remove clothes. In case of skin irritation or allergic reaction see a physician.

Ingestion: Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available

Note to physician: Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable: Water spray, alcohol-resistant foam, dry chemical

Unsuitable: High volume water jet

5.2 Special hazards arising from the substance or mixture

During fire fighting: Heating or fire can release toxic gas

5.3 Advice for firefighters

Further information: Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Use a respirator when performing operations involving potential exposure to vapor of the product.

6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Contain spillage, then collect with non-combustible absorbent material (e.g. sand, diatomaceous earth, vermiculite) and place in container for disposal according to local and national regulations.

Section 7: Handling and Storage

Advice on protection against fire and explosion: Normal measures for fire prevention.

Advice on safe handling: Avoid formation of aerosol. Do not breathe dust or vapors. Avoid contact with skin and eyes. Smoking, eating, and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in the working environment. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed and in a well ventilated area. Do not store in heat or direct sunlight.

Further information on storage stability: No decomposition if stored and applied as directed.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits:

Component	ACGIH TWA ppm	ACGIH STEL ppm	OSHA TWA ppm	OSHA STEL ppm
100-51-6 <i>Benzyl alcohol</i>	10			

8.2 Exposure controls - Personal protective equipment

Eye protection: Safety glasses with side shields conforming to EN166. Wear a face shield and protective suit for abnormal processing problems.

Respiratory protection: In the case of vapor formation, use a respirator with an approved ABEK vapor filter.

Skin protection: Wear nitrile rubber gloves. Choose body protection according to the amount and concentration of dangerous substances at the workplace.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Do not use product when eating, drinking, or smoking.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Odor: No data available

Color: Yellow



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Viscosity: No data available
Freezing Point: No data available
Boiling Point: No data available
Melting Point: No data available
Flashpoint (CCCFP): >205°F / 96°C
Auto flammability: No data available
Explosive Properties: No data available
Oxidizing properties: No data available
Vapor Pressure (mmHg@20 C): No data available
%VOC: No data available
Specific Gravity @ 25 C: No data available
Density @ 25 C: No data available
Refractive Index @ 20 C: No data available
Soluble in: Slightly soluble in water

Section 10: Stability and Reactivity

Reactivity	No decomposition if stored as directed.
Chemical stability	Stable
Possibility of hazardous reactions	Stable under recommended conditions.
Conditions to avoid	Heat
Incompatible materials	Strong acids and bases, oxidizing agents.
Hazardous decomposition products	Stable under recommended conditions.

Section 11: Toxicological Information

11.1 Toxicological Effects

Acute oral toxicity :	Acute toxicity estimate: 1,605 mg/kg Method: Calculation method
Acute inhalation toxicity :	Acute toxicity estimate: 1.67 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity :	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Skin corrosion / irritation:	No data available
Serious eye damage / irritation:	No data available
Respiratory sensitization:	No data available



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Skin sensitization: No data available
Germ cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available

Section 12: Ecological Information

12.1 Toxicity

Acute aquatic toxicity: Not toxic to aquatic life.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Other adverse effects: No data available.

Section 13: Disposal Conditions

13.1 Waste treatment methods

Waste from residues: Dispose of contents/container in accordance with local regulation.
Contact waste disposal services. Do not dispose of waste into the sewer.

Contaminated packaging: Dispose of any unused product. Do not re-use empty containers.

Section 14: Transport Information

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Perfumery Products	Not Regulated – Not Dangerous Goods			
ADR/RID (International Road/Rail) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated – Not Dangerous Goods			
IATA (Air Cargo) Perfumery Products Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated – Not Dangerous Goods			
IMDG (Sea) Perfumery Products Environmentally Hazardous Substance,	Not Regulated – Not Dangerous Goods			

Liquid, n.o.s.	
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Section 15: Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydroquinone	123-31-9	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Hydroquinone	123-31-9	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 313

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).



The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

Components	CAS-No.	Concentration
Hydroquinone	123-31-9	>= 0.001 - < 0.01 %

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 SOCM1 Intermediate or Final VOC's (40 CFR 60.489):

Components	CAS-No.	Concentration
Benzyl alcohol	100-51-6	>= 70 - < 90 %
Hydroquinone	123-31-9	>= 0.001 - < 0.01 %

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-No.
Benzyl alcohol	100-51-6
Hydroquinone	123-31-9

Pennsylvania Right To Know

Components	CAS-No.
Benzyl alcohol	100-51-6
Water	7732-18-5
3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione	520-45-6

New Jersey Right To Know

Components	CAS-No.
Benzyl alcohol	100-51-6
Water	7732-18-5
3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione	520-45-6

California Prop. 65

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

Canadian lists

NPRI

Components	CAS-No.
Hydroquinone	123-31-9

The components of this product are reported in the following inventories:

: All components of this product are listed on the EPA TSCA 8(b) inventory list.

Section 16: Other Information



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