BRAMBLE BERRY
HANDCRAFT PROVISIONS

Safety Data Sheet

Germaben Preservative

August 8, 2019

Section 1: Chemical Product and Company Identification

Product name: Germaben II preservative

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)

Recommended use of the chemical and restrictions on use:

Use of the Substance/Mixture: Preservative
Personal Care

Section 2: Hazards Identification

GHS Classification:

Eye irritation : 2A

GHS Label element

Hazard pictograms :

Signal Word : Warning

Hazard Statements : Causes serious eye irritation.

Precautionary States : **Prevention:**
Wash skin thoroughly after handling
Wear eye protection / face protection
Response:
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice / attention

Other hazards
None known

Section 3: Composition/Information on Ingredients

Substance / Mixture : Mixture

Hazardous Components

Chemical Name	CAS-No.	Classification	Concentration
Diazolidinyl Urea	78491-02-8	Eye Irrit. 2A; H319	30.10

Section 4: First Aid Measures

General Advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If breath in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, It is recommended that exposed areas be cleaned by washing with soap and water.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.

If swallowed : Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
Causes serious eye irritation.

Notes to physician : No hazards which require special first aid measures

Section 5: Fire-Fighting Measures

Suitable extinguishing media : Use extinguishing measures that are appropriate to local Circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : If product is heated above its flash point it will produce vapors

		sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	carbon dioxide and carbon monoxide organic compounds Carbon dioxide (CO2) phenols toxic fumes
Specific extinguishing methods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	:	Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
Other information	:	Comply with all applicable federal, state, and local regulations

Section 7: Handling and Storage

Advice on safe handling	:	Do not breath vapours/dust. Do not smoke. Container hazardous when empty. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protections : Wear chemical splash goggles when there is the potential for exposure of eyes to liquid, vapor or mist

Skin and body protection : Wear as appropriate:
impervious clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.
When using do not eat or drink.
When using do not smoke.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid
Color: Clear
Odor: Characteristic, mild
Odor threshold: No data available
pH: No data available
Melting point/freezing point: No data available
Boling point/boiling range: 369.0 °F / 187.2°C
Flash point: 219.9°F / 104.4°C
Evaporation rate: Not data available
Flammability (solid, gas): No data available
Upper explosion limit: No data available

Lower explosion limit: No data available
Vapor Pressure: 0.2926 hPa (20°C)
Relative vapor density: No data available
Relative density: No data available
Density: 1.18 g/cm3
Solubility(ies)
Water solubility: 15 g/l (25°C)
Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Thermal decomposition: No data available
Viscosity
Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Oxidizing properites: No data available

Section 10: Stability and Reactivity

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Product will not undergo hazardous polymerization.
Conditions to avoid	:	excessive heat Exposure to sunlight. Exposure to moisture.
Incompatible materials	:	isocyanates Strong acids Strong bases Strong oxidizing agents UV light.
Hazardous decomposition products:		carbon dioxide and carbon monoxide phenols toxic fumes

Section 11: Toxicological Information

Information on likely routes of exposure	:	Inhalation Skin contact Eye contact Ingestion

Acute toxicity
Not classified based on available information.
Components
DIAZOLIDINYL UREA:

Acute oral toxicity	:	LD 50 (Rat): > 2,000 mg/kg

Acute dermal toxicity	:	LD 50 (Rabbit): > 2,000 mg/lg

Skin corrosion/irritation
Not classified based on available information
Product:
Remarks: May cause skin irritation in susceptible persons.
Components:
DIAZOLIDINYL UREA:
Result: Not irritating to skin

Serious eye damage/eye irritation
Causes serious eye irritation.
Product:
Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin. Causes serious eye irritation.
Components
DIAZOLIDINYL UREA:
Result: Irritating to eyes

Respiratory or skin sensitization
Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.
Components:
DIAZOLIDINYL UREA:
Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Assessment: Did not cause sensitization on laboratory animals.

Germ cell mutagenicity
Not classified based on available information.
Components
DIAZOLIDINYL UREA:

Genotoxicity in vitro	:	Test Type: Ames test Metabolic activation: with and without metabolic activation Result: negative
	:	Test Type: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Result: negative
Genotoxicity in vivo	:	Test Type: In vivo micronucleus test Test species: Mouse (male and female) Application Route: Oral Method: Mutagenicity (micronucleus test) Result: negative Application Route: Oral Method: OECD Test Guideline 486 Result: negative

Carcinogenicity

Not classified based on available information
Reproductive toxicity
Not classified based on available information
Components
DIAZOLIDINYL UREA:
Effects on foetal development : Test Type: Embryo foetal development
Species: Rat
Application Rout: Oral
Dose: 500 milligram per kilogram
STOT – single exposure
Not classified based on available information
STOT – repeated exposure
Not classified based on available information
Repeated dose toxicity
Components
DIAZOLIDINYL UREA:
Species: Rat, male and female
NOEL: 200 mg/kg
Application Rout: Oral
Exposure time: 90-day

Aspiration toxicity
Not classified based on available information
Product
No aspiration toxicity classification

Further information
Product:
Remarks: No data available

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is Identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA .
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Section 12: Ecological Information

Ecotoxicity
Components:
DIAZOLIDINYL UREA:
Toxicity to fish : LC 50 (Fish): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 58 mg/l Exposure time: 48 h Test Type: flow-through test
Toxicity to algae	:	ErC50 (Green algae (Selenastrum capricornutum)): 5.78 mg/l End point: EC 50 Exposure time: 72 h Test Type: Growth inhibition Analytical monitoring: yes

Persistence and degradability
Components:
DIAZOLIDINYL UREA:

Biodegradability	:	Biodegradation: 24% Exposure time: 28 d Remarks: Not readily biodegradable.
Stability in water	:	Degradation half life (DT50): 12 h (20.4° C) pH: 7

Bioaccumulative potential
Components
DIAZOLIDINYL UREA:

Bioaccumulation	:	Remarks: The substance has low potential for bioaccumulation.
Partition coefficient: n-octanol/water	:	log Pow: 0.9 (20°C)

Mobility in soil
Components
DIZOLIDINY UREA:

Distribution among environmental compartments	:	Adsorption/Soil
	:	Medium: Soil Koc: < 2

Other adverse effects
Product:

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Components:
DIAZOLIDINYL UREA:

Results of PBT and vPvB assessment	:	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Section 13: Disposal Conditions

Disposal methods

General advice	:	This product should not be allowed to enter drain, water course or the soil.

Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and federal regulations

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

Section 14: Transport Information

Regulator	Id Number	Proper Shipping Name	*Hazard Class	Subsidiary Hazards	Packing Group	Marine Pollutant / Ltd. Qty.
MX_DG	Not dangerous goods					
International Air Transport Association - Passenger	Not dangerous goods					
International Air Transport Association - Cargo	Not dangerous goods					
International Maritime Dangerous Goods	Not dangerous goods					
TDG_INWT_C	Not dangerous goods					
TDG_RAIL_C	Not dangerous goods					
TDG_ROAD_C	Not dangerous goods					
U.S. DOT – Inland Waterways	Not dangerous goods					
CFR_RAIL_C	Not dangerous goods					
U.S. DOT – Road	Not dangerous goods					

***ORM = ORM-D, CBL – COMBUSTIBLE LIQUID**
Marine pollutant : No

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

Section 15: Regulatory Information

SARA 311/312 Hazards : Acute Health Hazard

US State Regulations
Pennsylvania Right to Know

PROPYLENE GLYCOL	57-55-6	50.00 – 70.00

The identity of one or more component(s) is being withheld under business confidentiality.

DIAZOLIDINYL UREA	78491-02-8	30.00 – 50.00 %
METHYL PARABEN	99-76-3	10.00 – 20.00 %
PROPYL PARABEN	94-13-3	1.00 – 5.00 %

New Jersey Right To Know

PROPYLENE GLYCOL	57-55-6	50.00 – 70.00

The identity of one or more component(s) is being withheld under business confidentiality.

DIAZOLIDINYL UREA	78491-02-8	30.00 – 50.00 %
METHYL PARABEN	99-76-3	10.00 – 20.00 %
PROPYL PARABEN	94-13-3	1.00 – 5.00 %

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

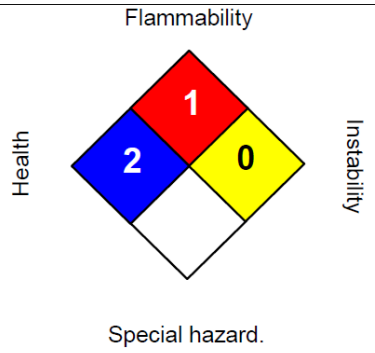
TSCA:	On TSCA Inventory
DSL:	All components of this product are on the Canadian DSL
AUSTR:	On the inventory, or in compliance with the inventory
ENCS:	see user defined free text
KECL:	On the inventory, or in compliance with the inventory
PICCS:	On the inventory, or in compliance with the inventory
IECSC:	On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines) TSCA (USA)

Section 16: Other Information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

Full text of H-Statements referred to under sections 2 and 3
H319 Causes serious eye irritation

Sources of key data used to compile the Safety Data Sheet v
Vendor internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonized classification for labelling (GHS) transport.

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:
ACGIH: American Conference of Industrial Hygienists
BEI: Biological Exposure Index
CAS: Chemical Abstracts Service (Division of the American Chemical Society)
CMR: Carcinogenic, Mutagenic or Toxic for Reproduction
FG: Food grade
GHS: Globally Harmonized System of Classification and Labeling Chemicals
H-statement: Hazard Statement
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the “International Air Transport Association” (IATA)

ICAO: International Civil Aviation Organization
ICAO-TI (ICAO): Technical Instructions by the “International Civil Aviation Organization”
IMDG: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
logPow: octanol-water partition coefficient
LCxx: Lethal Concentration, for xx percent of test population
LDxx: Lethal Dose, for xx percent of test population
ICxx: Inhibitory Concentration for xx of a substance
Ecxx: Effective Concentration of xx
N.O.S.: Not Otherwise Specified
OECD: Organization for Economic Co-operation and Development
OEL: Occupational Exposure Limit
P-Statement: Precautionary Statement
PBT: Persistent, Bioaccumulative and Toxic
PPE: Personal Protective Equipment
STEL: Short-term exposure limit
STOT: Specific Target Organ Toxicity
TLV: Threshold Limit Value
TWA: Time weighted average
vPvB: Very Persistent and Very Bioaccumulative
WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act
DOT: Department of Trasportation
FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC: Hazardous Materials Information Review Commission
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PMRA: Health Canada Pest Management Regulatory Agency
RTK: Right to Know
WHMIS: Workplace Hazardous Materials Information System