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# Safety Data Sheet

## Detangling Additive

July 17th, 2023

### Section 1: Chemical Product and Company Identification

**Product name:** Detangling Additive  
**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

**Physical Hazards:** Not classified.

**Health Hazards:** Acute toxicity, dermal Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 1

**Environmental Hazards:** Hazardous to the aquatic environment, acute hazard Category 1  
Hazardous to the aquatic environment, long-term hazard Category 1

**OSHA Defined Hazards:** Not classified

**Label Elements:**



**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:** Harmful in contact with skin. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

**Precautionary Statement**

**Prevention:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:** IF ON SKIN: Wash with plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment (see this label). Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately. Call a POISON CENTER or doctor/physician. Collect spillage.

**Storage:** Store away from incompatible materials.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified:** None known.

### Section 3: Composition/Information on Ingredients

**Substance/mixture:** Mixture

Chemical Name	CAS No.	Concentration %
Water	7732-18-5	65-76%
Cetyl trimethyl ammonium chloride	112-02-7	28-<31%



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## Section 4: First Aid Measures

**If inhaled:** Move to fresh air. Call a physician if symptoms develop or persist.

**In case of skin contact:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**In case of eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

**If swallowed:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep your head low so that stomach content doesn't get into the lungs.

**Most important symptoms and effects, both acute and delayed:** Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep the person warm. Keep the person under observation. Symptoms may be delayed.

**General information:** IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## Section 5: Fire-Fighting Measures

**Suitable extinguishing media:** Dry chemical, foam, carbon dioxide, water fog.

**Unsuitable extinguishing media:** Water. Do not use a water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gasses hazardous to health may be formed.

**Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions:** Move containers from the fire area if you can do so without risk.

**Specific methods:** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards:** No unusual fire or explosion hazards noted.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:** Should not be released into the environment.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with a plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush the area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to the original container for reuse.

**Environmental precautions:** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## Section 7: Handling and Storage

**Precautions on safe handling:** Avoid contact with skin. Do not get this material in contact with your eyes. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities:** Store in original tightly closed container.

## Section 8: Exposure Controls/Personal Protection

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local

exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield.

**Skin protection:**

**Hand protection:** Wear appropriate chemical resistant gloves.

**Other:** Wear appropriate chemical resistant clothing. Wear protective gloves.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9: Physical and Chemical Properties

**Appearance:** Liquid

**Color:** Yellow

**Odor:** Not available

**Odor Threshold:** Not available

**pH:** 5.9 - 8 (@ 2% aqueous)

**Melting/Freezing Point:** 33.8 °F (1 °C)

**Initial boiling point and boiling range:** 212 °F (100 °C)

**Flash Point:** > 201.0 °F (> 93.9 °C) Pensky-Martens Closed Cup

**Evaporation Rate:** Estimated slower than ethyl ether

**Upper/lower flammability or explosive limits**

**Flammability limit/Explosion limit – lower (%):** Not available

**Flammability limit/Explosion limit – upper (%):** Not available

**Vapor pressure:** No data available

**Vapor density:** Not applicable.

**Relative density:** No data available

**Solubility(ies)**

**Solubility (water):** No data available.

**Auto-ignition temperature:** Not applicable

**Decomposition temperature:** No data available

**Viscosity:** 6 cP @ 25°C

**Other information**



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**Density:** 8.05 lb/gal  
**Percent volatile:** 69 - 72 %  
**Pour point:** 39.2 °F (4 °C)

## Section 10: Stability and Reactivity

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to avoid:** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Nitrogen oxides (NO<sub>x</sub>). Ammonia. Hydrogen chloride.

## Section 11: Toxicological Information

### Information on likely routes of exposure

**Inhalation:** May cause irritation to the respiratory system.

**Skin contact:** Harmful in contact with skin. Causes skin irritation.

**Eye contact:** Causes serious eye damage.

**Ingestion:** May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics:** Not available.

### Information on toxicological effects

**Acute toxicity:** May be harmful if swallowed. Harmful in contact with skin.

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/eye irritation:** Causes serious eye damage.

### Respiratory or skin sensitization

**Respiratory sensitization:** Not a respiratory sensitizer.

**Skin sensitization:** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity:** Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):** Not regulated.



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**US. National Toxicology Program (NTP) Report on Carcinogens:** Not listed.

**Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure:** Not applicable.

**Specific target organ toxicity - repeated exposure:** Not applicable.

**Aspiration hazard:** Not applicable.

## Section 12: Ecological Information

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Expected to be readily biodegradable.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13: Disposal Conditions

**Disposal instructions:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after the container is emptied.

## Section 14: Transport Information

**DOT**

Not regulated as dangerous goods.

**IATA**

**UN number:** UN3082

**UN proper shipping name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Cetrimonium Chloride)



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**Transport hazard class(es)**

**Class:** 9

**Subsidiary risk:**

**Packing group** III

**Environmental hazards:** Yes

**Special precautions for user:** Not available

**IMDG**

**UN number:** UN3082

**UN proper shipping name:** Environmentally Hazardous Substance, Liquid, N.O.S. (Cetrimonium Chloride) MARINE POLLUTANT

**Transport hazard class(es)**

**Class:** 9

**Subsidiary risk:**

**Packing group** III

**Environmental hazards:** Yes

**Marine Pollutant:** Yes

**EmS:** Not available.

**Special precautions for user:** Not available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not available.

## Section 15: Regulatory Information

### US Federal Regulations

**Toxic Substances Control Act (TSCA)**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.

**SARA 304 Emergency release notification:** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):** Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance:** Not listed.

**SARA 311/312 Hazardous chemical:** Yes

**Classified hazard categories:**

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

**SARA 313 (TRI reporting):** Not regulated.

### Other Federal Regulations





**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.  
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.  
**Safe Drinking Water Act (SDWA):** Not regulated.

### **US State Regulations**

#### **California Proposition 65**

**WARNING:** This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### **California Proposition 65 - CRT: Listed date/Developmental toxin**

Methanol (CAS 67-56-1) Listed: March 16, 2012

## **Section 16: Other Information**

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.