



# Safety Data Sheet

## White Birch Water Soluble Concentrate

March 29th, 2023

### Section 1: Chemical Product and Company Identification

**Product name:** White Birch Water Soluble Concentrate  
**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

#### 2.1 Classification of the substance or mixture

##### GHS / CLP

**Basis for Classification:** Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

##### USA

**OSHA Regulatory Status:** This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

##### Europe

**Basis for Classification:** According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008. This product is not classified as hazardous to health or environment according to the CLP regulation.

## 2.2 Label Elements

**GHS Label:** None

**Signal Word:** None

**Precautionary Statements:**

P233: Keep container tightly closed

P281: Use personal protective equipment as required

P402: Store in a dry place

P404: Store in a closed container

P410: Protect from sunlight

P411: Store at temperatures not exceeding 32°C

**Other hazards which do not result in classification:**

No particular fire or explosion hazard.

**By mechanical effect:** No particular hazards.

**By hygroscopic effect:** No particular hazards.

**US NFPA 704 (National Fire Protection Association) Hazard Rating System:**

**Health hazard:** Rating 0; Normal Material

**Flammability:** Rating 0, Will Not Burn

**Reactivity:** Rating 0, Stable

**Other Hazard Information:** None

**Results of PBT and vPvB assessment:**

-PBT: Not applicable

-vPvB: Not applicable

## Section 3: Composition/Information on Ingredients

**Common Chemical Name:** Betula Alba Leaf Juice

**Chemical Family:** Extract

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

Substance	CAS #'(s)	EC #'(s)	%
Betula Alba Leaf Juice	84012-15-7	281-660-9	98%
Lactobacillus Ferment	1686112-36-6 (or) 68333-16-4	N/A	2%

## Section 4: First Aid Measures

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

**Inhalation:** Move to fresh air from the exposure area. Get medical attention for any breathing difficulty.

**Skin contact:** Rinse with soap and water. Get medical advice if irritation develops.

**Eye contact:** Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

**Ingestion:** Consult with a physician.

**Protection of first-aiders:** No special protection required.

## Section 5: Fire-Fighting Measures

**Fire and explosion hazards:** Not considered to be a fire and explosion hazard

**Extinguishing media:**

**Suitable:** Water, dry chemicals, foam and carbon dioxide

**Not suitable:** None known

**Fire fighting:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area

**Protection for fire-fighters:** Boots, gloves, goggles.

## Section 6: Accidental Release Measures

**Personal precautions:** Avoid contact with eyes.

**Personal Protective Equipment:** Protective goggles

**Environmental precautions:** Prevent entry into sewers and waterways. Do not allow material to contaminate groundwater system

**Methods for cleaning up:**

**Recovery:** Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation.

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

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

## Section 7: Handling and Storage

### Handling

**Technical measures - Labeling:** Keep out of the reach of children.

**Measures:** For industrial use, only as directed.

**Safe handling advice:** Wash hands after use. Avoid storage near feed or food stuff.

### Storage

**Technical measures:** Keep the container closed.

**Recommended Storage Conditions:** Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 - 25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.

**Incompatible products:** Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)

**Packaging:** Product may be packaged in normal commercial packaging.

**Packaging materials:** Recommended - Polypropylene & High Density Polyethylene

## Section 8: Exposure Controls/Personal Protection

**Precautionary statements:** Ensure adequate ventilation

### Control parameters

**Occupational exposure Limits:**

**France:** Not Determined

**ACGIH:** Not Determined

**Korea:** Not Determined

**UK:** Not Determined

**Surveillance procedures:** Not Determined

**Engineering measures:** Not Determined

### Personal Protective Equipment:

**Respiratory protection:** Local exhaust

**Hand protection:** Protective gloves made of rubber or neoprene.

**Eye protection:** Safety glasses.

**Collective emergency equipment:** Eye fountain.

**Skin and Body Protection:**

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.



**BRAMBLE BERRY**

HANDCRAFT PROVISIONS

---

**Measures related to the Environment:** No particular measures.

## Section 9: Physical and Chemical Properties

**Appearance:** Clear to hazy liquid

**Odor:** Characteristic

**Color:** Pale Yellow to Amber

**pH (Direct):** 5.0 – 8.0

**NVM (1g-1 hr-105°C):** 4.0-10.0%

**UV Absorbance (Succinic Acid):** 190-210 nm

**Heavy Metals:** < 20 ppm

**Lead:** < 10 ppm

**Arsenic:** < 2 ppm

**Cadmium:** < 1 ppm

**Microbial Content:** < 100 CFU/g; No pathogens

**Yeast & Mold:** < 100 CFU/g

**Gram Negative Bacteria:** 0 CFU/g

**Specific Gravity:** Not determined

**Vapor density:** Not applicable

**Boiling Point:** 100°C

**Freezing Point:** 0°C

**Melting point:** Not applicable

**Flash point:** > 100°F

**Oxidizing properties:** Non oxidizing material according to EC criteria.

**Solubility:**

**In water:** Soluble

**In organic solvents:** Not determined

**Log P:** Not determined

## Section 10: Stability and Reactivity

**Stability:** Stable under ordinary conditions of use and storage up to one year then retest to full product specifications to extend shelf life

**Hazardous reactions:** None known

**Conditions to avoid:** No dangerous reactions known under use of normal conditions. Avoid extreme heat.

**Materials to avoid:** No dangerous reaction known with common products.

**Hazardous decomposition products:** None known

## Section 11: Toxicological Information

**Ingestion:** Not Determined

**Dermal:** Non-Irritant (Dermal Irritation Model)

**Ocular:** Non-Irritant (Ocular Irritation Model)

**Inhalation:** Not Determined

**Acute toxicity data:** Non-Irritant & Non-Primary Sensitizer

**Sensitization:** Non-Primary Sensitizer; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method)

**Repeated dose toxicity:** No known effects

**Subacute to chronic toxicity:** Not Determined

**Mutagenicity:** Non-Mutagenic (OECD471/ISO 10993.Part 3 – Genotoxicity: Bacterial Reverse Mutation Test)

**Additional Toxicological Information:** This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**Specific effects:**

**Carcinogenicity:** No known effects

**Mutagenicity:** No known effects

**Reproductive toxicity:** No known effects

**Neuro-toxicity:** No known effects

**For more information:** Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

**This product has not been tested for the following:**

-Primary cutaneous and corrosive irritation

-Acute oral toxicity

## Section 12: Ecological Information

**Ecotoxicity**

**Effects on the aquatic environment:** EC10 (Freshwater Alga): 105.63 mg/L - Not harmful to aquatic organisms, EC20 (Freshwater Alga): 186.49 mg/L - Not harmful to aquatic organisms

**Biodegradability:**

**Persistence:** Readily Biodegradable (95.7% biodegradation after 28 days of testing)

**Bioaccumulation:** Octanol / water partition coefficient: Not Determined

**Mobility:**

**Precipitation:**

**Expected behavior of the product:** Ultimate destination of the product: Soil & sediment.

**Other Adverse Effects:** None known

### **Section 13: Disposal Conditions**

**Residues from product**

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

**Destruction/Disposal:** Dispose of in accordance with relevant local regulations

**Contaminated packaging**

**Decontamination/cleaning:** Cleaning is not required prior to disposal.

**Destruction/Disposal:**

**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

**Transport Hazard Class:** Not classified as dangerous for transport

**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

**Marine Pollutant:** No

**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:**

**EC regulations:** This product does not need to be labeled in accordance with EC Directives or respective national laws

**Further regulations**

**United Kingdom:** Handle in accordance with relevant British regulation: control of substance Hazardous to

Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)

**Korea regulations:**

Industrial safety and hygiene regulation: No  
Hazardous material control regulation: No  
Fire prevention regulation: No

**Other regulations:**

**EINECS inventory status:**

Not Listed: Betula Alba Leaf Juice: 281-660-9  
Lactobacillus Ferment: N/A (or) N/A

**TSCA inventory status:** Exempt

**AICS inventory status:**

Not Listed: 1686112-36-6  
Listed: 84012-15-7 & 68333-16-4

**Canadian (CEPA DSL) inventory status:**

Not Listed: Lactobacillus Ferment (1686112-36-6)  
Listed as Birch, Betula alba, ext. (DSL) & Lactobacillus acidophilus (Revised ICL)

**Japan (MITI list):** Betula Alba Leaf Juice\*\* & Lactobacillus Ferment

**Korea:** Betula Alba Leaf Juice^ & Lactobacillus Ferment

**China inventory status:**

Not Listed: Betula Alba Leaf Juice  
Listed: Lactobacillus Ferment

**Philippines inventory status:**

Not Listed: Lactobacillus Ferment (1686112-36-6 (or) 68333-16-4)  
Listed as Birch, Betula alba, ext.

\*\*Not listed on Cosmetic-Info database (or) on Restricted List

^Not listed in 2004 CTFA Dictionary – Registered with Personal Care Products Council

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

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





**BRAMBLE BERRY**

HANDCRAFT PROVISIONS

---

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.