

Cranberry Enzyme - Water Soluble

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## SECTION 1. IDENTIFICATION

**Product Name:** Cranberry Enzyme - Water Soluble  
**INCI Name:** *Water & Vaccinium Macrocarpon Fruit Ferment Filtrate*  
**CAS#:** 7732-18-5 & 91770-88-6  
**Recommended Use** Topical Cosmetic Use  
**Supplier:** **Bulk Naturals Wholesale LLC.**  
212 N Jefferson Unit 12A Ava, Mo 65608, USA  
**Telephone No. (24hrs):** 1-573-465-0612  
**Emergency Telephone # :** **1-573-465-0612(Mon-Fri: 8:00AM – 5:00PM CST)**

## SECTION 2. HAZARD(S) IDENTIFICATION

**GHS Classification:** Based on present data no classification and labeling are 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).

**GHS Label elements**

**Hazard statement(s)/Signal:** Not applicable.

**Precautionary statement(s):**

P233 Keep the 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:**

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

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made and we assume no liability regarding this formula or information contained herein. In every case we urge and recommend that our customers make their own tests to determine to their own satisfaction whether the product is suitable for their particular purposes under their own operating conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without the authority from the owner of this patent

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## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	CAS Numbers	EC Numbers	Percentage
Water	7732-18-5	231-791-2	80.0%
Vaccinium Macrocarpon (Cranberry) Fruit Extract	91770-88-6	294-875-8	20.0%

## SECTION 4. FIRST AID MEASURES

<b>General:</b>	In all cases of doubt, or when symptoms persist, seek medical attention.
<b>Inhalation:</b>	Move to fresh air from the exposure area. Get medical attention for any breathing difficulty.
<b>Skin contact:</b>	Rinse with soap and water. Get medical advice if irritation develops.
<b>Eye contact:</b>	Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.
<b>Ingestion:</b>	Consult with a physician.

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water, dry chemicals, foam and carbon dioxide.
<b>Special precaution for fire-fighters:</b>	Move the container from the fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of the low areas.
<b>Fire and explosion hazards:</b>	Not considered to be a fire and explosion hazard.
<b>Protection for fire-fighters:</b>	Boots, gloves, and goggles.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid contact with eyes. Personal Protective Equipment: -Protective goggles.
<b>Environmental precautions:</b>	Prevent entry to sewers and public waters. Notify authorities if the product enters sewers or public waters.
<b>Methods for cleaning up:</b>	Pick up free liquid for recycling or disposal. Residual liquid can be absorbed by an inert material. Sweep or vacuum up any powder and place it in a clearly labeled waste container, avoiding dust formation.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Keep out of the reach of children. For industrial use, only as directed. Wash hands after use. Avoid storage near feed or food stuff.
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**Recommended Storage Conditions:**

Keep the container closed. 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.

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**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection:**

Local exhaust.

**Hand protection:**

Protective gloves made of rubber or neoprene.

**Eye protection:**

Safety glasses.

**Skin and Body Protection:**

Suitable protective clothing.

**Hygiene measures:**

Handle in accordance with good hygiene and safety practices.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Clear to a slightly hazy, viscous liquid.

**Odor:**

Characteristic.

**pH (Direct):**

5.5 – 7.5

**Flashpoint:**

> 200°F

**Specific Gravity:**

1.05

**Solubility:**

Soluble in water.

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**SECTION 10. STABILITY AND REACTIVITY**

**Stability:**

Chemically stable.

**Conditions to avoid:**

No dangerous reactions are known. Avoid extreme heat.

**Incompatible materials:**

No dangerous reaction is known with common products.

**Hazardous decomposition products:**

None known.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:**

Not Determined.

**Dermal:**

Non-Irritant (Dermal Irritation Model)

**Ocular:**

Non-Irritant (Ocular Irritation Model)

**Ingestion:**

Not Determined.

**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.

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# Safety Data Sheet

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

EC10 (Freshwater Alga): 107.44 mg/L - Not harmful to aquatic organisms.

EC20 (Freshwater Alga): 192.61 mg/L - Not harmful to aquatic organisms.

**Products of Biodegradation:**

Readily Biodegradable (91.0% biodegradation after 28 days of testing).

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## SECTION 13. DISPOSAL CONSIDERATIONS

**Prohibition:**

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

**Destruction/Disposal:**

Dispose of in accordance with relevant local regulations.

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## SECTION 14. TRANSPORT INFORMATION

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as Non-Regulated Material.

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## SECTION 15. REGULATORY INFORMATION

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

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## SECTION 16. OTHER INFORMATION

**Revision date:**

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