



AquaVantage Enzyme Plus

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/04/2021 Version: 1.1

SECTION 1: Identification

Identification

Product form : Mixture
Product name : AquaVantage Enzyme Plus
Product code : 304043

Recommended use and restrictions on use

Supplier

BHC, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 - F 317.925.4596
Regulatory@bhcinc.com - www.bhcinc.com

Emergency telephone number

Emergency number : CHEMTREC: 1.800.424.9300 or CHEMTREC (International)
1.703.527.3887

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation Category 2A Causes serious eye irritation
Respiratory sensitization, Category 1B May cause an allergy or asthma symptoms or breathing difficulties if inhaled

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US): Danger
Hazard statements (GHS US): Causes serious eye irritation
May cause an allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (GHS US)

Prevention:

Avoid breathing mist, spray. Wash hands thoroughly after handling. Wear eye protection, protective gloves. [In case of inadequate ventilation] wear respiratory protection.

Response:

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. 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. If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.

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Disposal: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification

No additional information available

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

Name	Product identifier	Weight (%)
SODIUM XYLENESULFONATE	(CAS-No.) 1300-72-7	1 – 5
SODIUM POLYACRYLATE	(CAS-No.) 9003-04-7	1 – 5
Enzyme Blend	(CAS-No.) Proprietary	1 – 5

SECTION 4: First-aid measures

Description of first aid measures

- First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.
- First-aid measures after skin contact : Take off contaminated clothing. Get medical attention if irritation develops and persists. Wash skin with plenty of water.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Drink plenty of water. Call a physician immediately.

Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
- Symptoms/effects after eye contact : Eye irritation.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Specific hazards arising from the chemical

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

Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, spray.

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For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses.

Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing mist, spray.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep out of the reach of children. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

Control parameters

SODIUM XYLENESULFONATE (1300-72-7)
Not applicable
SODIUM POLYACRYLATE (9003-04-7)
Not applicable
Enzyme Blend (Proprietary)
Not applicable

Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses with side shields

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection. Where inhalation exposure to mist, fog, sprays or splashes may occur but not exceeding the exposure limits, protections consistent with the job-specific risk assessment are recommended. If exposure limits are exceeded, NIOSH approved respiratory protection should be worn.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	: Liquid
	: Green
	: Fruity
Odor threshold	: No data available
pH	: 6.5 – 8
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.04 – 1.05 @ 25°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10: Stability and reactivity

Reactivity

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

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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Conditions to avoid

Heat.

Incompatible materials

No additional information available

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ATE US (oral)	>2,000 mg/kg body weight
ATE US (dermal)	>2,000 mg/kg body weight
ATE US (gases)	>20,000 ppm/4h
ATE US (vapors)	>20 mg/l/4h
ATE US (dust, mist)	>5 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 6.5 – 8

Serious eye damage/irritation : Causes serious eye irritation.
pH: 6.5 – 8

Respiratory or skin sensitization : MAY CAUSE SEVERE ALLERGIC RESPIRATORY REACTION

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Persistence and degradability

SODIUM XYLENESULFONATE (1300-72-7)	
Persistence and degradability	Readily biodegradable in water.

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SODIUM POLYACRYLATE (9003-04-7)

Persistence and degradability	Not readily biodegradable in water.
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Bioaccumulative potential

SODIUM XYLENESULFONATE (1300-72-7)

Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
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Bioaccumulative potential	Not bioaccumulative.
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SODIUM POLYACRYLATE (9003-04-7)

Bioaccumulative potential	Low potential for bioaccumulation (molecular mass \geq 700 g/mol).
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Mobility in soil

SODIUM XYLENESULFONATE (1300-72-7)

Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
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Ecology - soil	No (test)data on mobility of the substance available.
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Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

US - DOT

Not regulated for transport

International shipping – IMDG

Not regulated for transport

International – IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

SODIUM POLYACRYLATE (9003-04-7)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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Enzyme Blend (Proprietary)

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

SODIUM XYLENESULFONATE (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

SODIUM POLYACRYLATE (9003-04-7)

Listed on the Canadian DSL (Domestic Substances List)

Enzyme Blend (Proprietary)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.