



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	AQUAVANTAGE 3887GD
Product number	431042
Company information	Brulin & Company, Inc. P.O. Box 270 Indianapolis, IN 46206 US www.Brulin.com
Emergency	CHEMTREC 1-800-424-9300
General information	Phone: 317-923-3211 Fax: 317-925-4596

2. Hazards Identification

Emergency overview	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential health effects	
Eyes	Can cause severe eye irritation.
Skin	Contact causes skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

3. Composition / Information on Ingredients

No hazardous ingredients.

Composition comments The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses. Get medical attention immediately.
Skin contact	Wash off with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately.
Ingestion	Do not induce vomiting. Give victim water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately.
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.

6. Accidental Release Measures

Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	Never return spills in original containers for re-use. Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling	Handle and open container with care.
Storage	Keep container tightly closed. Keep at temperatures between 4 and 49°C.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection	Avoid contact with eyes. Safety glasses, goggles or face-shield
Skin protection	The glove(s) listed below may provide protection against permeation. Neoprene gloves. Impervious butyl rubber gloves. PVC or other plastic material gloves.
Respiratory protection	No personal respiratory protective equipment normally required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	clear liquid
Color	Straw yellow
Odor	mild
Odor threshold	Not available.
Form	Liquid.
pH	11.5 - 11.9
Freezing point	Not available.
Boiling point	215 °F (101.7 °C)
Flash point	None to boiling
Evaporation rate	1 water = 1
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor density	Not available.
Specific gravity	1.067
Solubility (water)	100 %
VOC	0 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze. Avoid temperatures above 120°F (49°C).
Incompatible materials	Incompatible with strong acids and oxidizing agents.
Hazardous decomposition products	Carbon monoxide and carbon dioxide, and nitrogen oxides (NOx)
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 58917 mg/kg, Rat, Oral
Further information	This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic life.
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13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
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14. Transport Information

DOT

Not regulated as hazardous goods.

DOT Requirements NON-BULK

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

IMDG

Not regulated as hazardous goods.

15. Regulatory Information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

State regulations

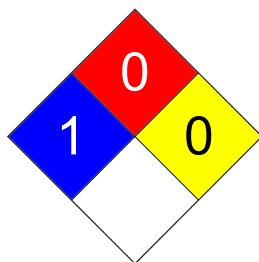
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Issue date

05-12-2010