

PRODUCT NAME: AQUAVANTAGE 1400 GD

PRODUCT NUMBER: 431037

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MATERIAL SAFETY DATA SHEET

Per 29 CFR 1910.1200

DATE PREPARED : 5/03/02

SECTION I.

BRULIN & COMPANY, INC. P.O. BOX 270, INDIANAPOLIS, IN 46206-0270 (317) 923-3211

WEST COAST FACTORY
Richmond, California

SOUTHEASTERN FACTORY
Tampa, Florida

24 HOUR EMERGENCY NUMBER
CHEMTREC 1-800-424-9300

IDENTITY (As listed on label):
AQUAVANTAGE 1400 GD

Health: 1
HMIS HAZARD RATINGS: Flammability: 0
Reactivity: 0

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV-TWA	OTHER LIMITS RECOMMENDED PERCENT
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This product contains no hazardous chemical substances at 1.0% or more listed in 29 CFR 1910.1200 or ACGIH Threshold Limit Values. Also, this product contains no carcinogens at 0.1% or more listed in NTP Annual Report on Carcinogens, IARC Monographs, or 29 CFR 1910.1200. No components of this product are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	212 F	Specific Gravity (H ₂ O=1):	1.078
Vapor Pressure ("):):	Not Determined	Melting Point:	Approx. 30 F
Vapor Density (Air=1):	Not Determined	Evaporation Rate (water=1):	1
Solubility in Water:	Complete		
Appearance and Odor:	Clear, light yellow or yellow-green, non-viscous liquid with mild odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None to boiling (PMCC)

Flammable Limits LEL NA UEL NA

Extinguishing Media: Water, dry chemical, foam, or carbon dioxide

Special Fire Fighting Procedures:

Full protective equipment including, self-contained breathing apparatus should be used. During emergency conditions, overexposure to decomposition products may cause a health hazard. symptoms may not be readily apparent. Get medical attention. Water may be used to cool and protect closed containers from extreme heat.

Unusual Fire and Explosion Hazards:

None known. Closed containers may explode (due to build-up of pressure) when exposed to extreme heat.

SECTION V - REACTIVITY DATA

Stability Unstable Stable

Conditions to Avoid:

Freezing

Incompatibility (Materials to Avoid):

Strong acids and strong oxidizers

Hazardous Decomposition or Byproducts:

Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization: May Occur May Not Occur

Conditions to Avoid: None known

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Ingestion? Yes Skin? Yes Inhalation? Yes Eyes? Yes

Health Hazards (Acute and Chronic):

Contact with eyes can cause irritation. Ingestion can cause irritation to mouth, throat, and stomach. Contact with skin can cause irritation. Inhalation can cause irritation to the respiratory tract.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: Burning pain, itching, redness or swelling in the area of exposure.

Additional symptoms of tearing of eyes, dizziness, weakness, nausea, vomiting, coughing, choking, and difficulty in breathing.

Medical Conditions Generally Aggravated by Exposure: Skin irritation may be aggravated in persons with preexisting dermatitis. Breathing of mist or spray may aggravate acute or chronic asthma and other chronic pulmonary disease.

Emergency & First Aid Procedures:

- Eye Contact: Flush eyes with large amounts of water for at least 15 minutes, occasionally lifting upper & lower lids. Remove contact lenses if present. Get immediate medical attention.
- Inhalation: If affected, remove victim to fresh air. Administer oxygen if breathing is difficult. If breathing has stopped, begin artificial respiration. Get immediate medical attention.
- Skin Contact: Wash with mild soap and water. Remove contaminated clothing and launder before reuse. If irritation develops/persists, consult a physician.
- Ingestion: Give two or more glasses of cold water or milk to drink. If vomiting does occur, give fluids again. Keep warm and quiet. never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Absorb spill onto suitable absorbent material. shovel absorbed material into suitable container for disposal. Neutralize residue with a dilute acid and flush spill area with water.

Waste Disposal Method: Dispose of according to Federal, State and local laws and 40 CFR.

Precautions to be Taken in Handling and Storing: Keep container tightly closed. Store between 40 and 120 F. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not normally required. However, if the potential for overexposure exists, wear a NIOSH/MSHA approved organic vapor respirator with dust, mist, and fume filter.

Ventilation: General (mechanical) is sufficient.

Protective Gloves: PVC, Butyl, or Neoprene rubber gloves are required.

Eye Protection: Safety glasses, chemical splash goggles, or full face-shield are required.

Other Protective Clothing or Equipment: Safety shower, eyewash station, and sufficient clothing to minimize contact with skin.

Work/Hygienic Practices: Use only with adequate ventilation. Avoid breathing vapor and mist. Avoid contact with eyes and skin. Do not take internally. Wash thoroughly after handling.