

Aquadraft Extreme

Meristem Crop Performance

Version No: 01
Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

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L.GHS.USA.EN

SECTION 1 Identification

Product Identifier

Product name	Aquadraft Extreme
Synonyms	Not Available
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Relevant identified uses	Agriculture/Horticulture Use - Adjuvant
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Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	Meristem Crop Performance
Address	489 Village Park Dr., Powell, OH 43065
Telephone	833-637-4783
Fax	Not Available
Website	www.meristemag.com
Email	MDEViston@MeristemAg.com
Emergency telephone numbers	651-270-8282

SECTION 2 Hazard(s) identification

Classification of the substance or mixture

NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification	Serious Eye Damage/Eye Irritation Category 2A, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2
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Label elements

Hazard pictogram(s)	
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Aquadraft ExtremeSignal word | **Warning****Hazard statement(s)**

H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H302	Harmful if swallowed.
H315	Causes skin irritation.

Hazard(s) not otherwise classified

None Known

Precautionary statement(s) Prevention

P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary statement(s) Response

P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statement(s) Storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P402	Store in a dry place.
	Store away from incompatible materials.

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorized hazardous or special waste collection point in accordance with any local regulation.
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SECTION 3 Composition / information on ingredients**Substances**

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Proprietary	100%	Mixture

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

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Description of first aid measures

Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Contact physician or poison control center. If victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit juice. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only upon advice by physician.

SECTION 5 Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Caron Dioxide.
Unsuitable extinguishing media	Do not use water jets as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
Fire Incompatibility	Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may result

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material; if possible without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental Precautions	Avoid discharge into drains, water courses or onto the ground.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene.
Conditions for safe storage, including any incompatibilities	Store in a tightly closed container. Keep in a cool, dry place. Store away from any strong oxidizer, strong bases, chlorates, or nitrates.

Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)	None known
Biological Limit Values	None known
Appropriate Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use proper enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eye wash and safety shower in work area.

Individual Protection Measures / PPE



- Personal protection**
- Eye and face protection** This chemical requires the use of a chemical protective goggle that meet ANSI/ISEA Standard when handling this chemical.
- Hand protection** This chemical requires the use of a chemical resistant glove that meet ANSI/ISEA Standard and is necessary when handling this chemical
- Respiratory Protection** The use of a NIOSH approved respiratory protection may be needed if working in a poor ventilated area.
- Work / Hygienic Practices** Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

SECTION 9 Physical and chemical properties Information on basic physical and chemical properties

Physical state	Liquid	Relative density (Water =1)	9.89
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

Aquadraft Extreme**SECTION 10 Stability and reactivity**

Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical stability	Material is stable under normal conditions
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Avoid contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	None known.

SECTION 11 Toxicological information

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical, and toxicology characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision
Skin Corrosion/Irritation	Prolonged skin contact may cause temporary irritation
Respiratory or Skin sensitization	Not a respiratory or skin sensitizer
Germ cell mutagenicity	No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity-single exposure	Not classified
Specific target organ toxicity-repeated exposure	Not classified
Aspiration Hazard	Not an aspiration hazard.
Serious eye damage/eye irritation	Causes serious eye irritation.

Information on toxicology effects

Product: Aquadraft Extreme	Species	Test Results
<i>Acute</i>		
Dermal LD50	Rat	6653 mg/kg
Inhalation LC50	Rat	3327 mg/m3
Oral LD50	Rat	14140 mg/kg

SECTION 12 Ecological information

Ecotoxicity	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available.
Bioaccumulative potential	No data is available.
Mobility in soil	No data is available.
Other adverse effects	No other adverse environmental effects are expected from this component.

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SECTION 13 Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safer manner.
Contaminated packaging	Since emptied containers may contain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 Transport information

DOT	Not Regulated
IATA	Not Regulated
IMO/IMDG	Not Regulated
Marine Pollutant	NO

SECTION 15 Regulatory information

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed
SARA 304 Emergency Release Notification	Not regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not regulated
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	Not Listed
	Classified hazard categories: Serious eye damage or eye irritation
SARA 313 (TRI reporting)	Not Regulated

State Regulations

US. California Proposition 65	None Reported
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National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	No
Canada - DSL	No
Canada - NDSL	No
China - IECSC	No
Europe - EINEC / ELINCS / NLP	No
Japan - ENCS	No
Korea - KECI	No
New Zealand - NZIoC	No
Philippines - PICCS	No
USA - TSCA	Yes
Taiwan - TCSI	No

Aquadraft Extreme**SECTION 16 Other information**

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Version #	01
Disclaimer	<p>The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its own tests of the Product to determine suitability of the Product for user's particular use.</p>

