

# 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 |
|--------------------------|-----------------------------------------|

#### 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                     | <a href="http://www.meristemag.com">www.meristemag.com</a> |
| 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 |
|----------------|-----------------------------------------------------------------------------------------------------------------------|

#### Label elements

|                     |  |
|---------------------|--|
| Hazard pictogram(s) |  |
|---------------------|--|

**Aquadraft Extreme**Signal 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. |
|------|----------------------------------------------------------------------------------------------------------------------------------|

**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**

**Aquadraft Extreme****Description of first aid measures**

|                     |                                                                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | 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.                                                                                                                 |
| <b>Skin Contact</b> | Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.                                                                                                                                                                                                                    |
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.                                                                                                                                                                                                                                                |
| <b>Ingestion</b>    | 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**

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

**SECTION 6 Accidental release measures**

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | 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. |
| <b>Methods and materials for containment and cleaning up</b>               | 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.<br>Small Spills: Wipe up with absorbent material (cloth, fleece). Clean surface thoroughly to remove residual contamination.                                                 |
| <b>Environmental Precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                             |

**SECTION 7 Handling and storage**

|                                                                     |                                                                                                                                                  |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene.          |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a tightly closed container.<br>Keep in a cool, dry place.<br>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**

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Occupational Exposure Limits (OEL)</b> | None known                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Biological Limit Values</b>            | None known                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Appropriate Engineering Controls</b>   | 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<br>n-octanol / water | Not Available |
| Odour threshold                                 | Not Available | Auto-ignition temperature<br>(°C)          | Not Available |
| pH (as supplied)                                | Not Available | Decomposition temperature<br>(°C)          | Not Available |
| Melting point / freezing<br>point (°C)          | Not Available | Viscosity (cSt)                            | Not Available |
| Initial boiling point and<br>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<br>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**

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

**SECTION 11 Toxicological information**

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

**Information on toxicology effects**

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

**SECTION 12 Ecological information**

|                                      |                                                                                                                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | 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. |
| <b>Persistence and degradability</b> | No data is available.                                                                                                                                                                               |
| <b>Bioaccumulative potential</b>     | No data is available.                                                                                                                                                                               |
| <b>Mobility in soil</b>              | No data is available.                                                                                                                                                                               |
| <b>Other adverse effects</b>         | No other adverse environmental effects are expected from this component.                                                                                                                            |

**SECTION 13 Disposal considerations**

|                                              |                                                                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/international regulations.                             |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                      |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                              |
| <b>Waste from residues / unused products</b> | 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.                        |
| <b>Contaminated packaging</b>                | 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**

|                         |               |
|-------------------------|---------------|
| <b>DOT</b>              | Not Regulated |
| <b>IATA</b>             | Not Regulated |
| <b>IMO/IMDG</b>         | Not Regulated |
| <b>Marine Pollutant</b> | 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.

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

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

|                                               |                                                                    |
|-----------------------------------------------|--------------------------------------------------------------------|
| <b>SARA 302 Extremely hazardous substance</b> | Not Listed                                                         |
|                                               | Classified hazard categories: Serious eye damage or eye irritation |
| <b>SARA 313 (TRI reporting)</b>               | Not Regulated                                                      |

**State Regulations**

|                                      |               |
|--------------------------------------|---------------|
| <b>US. California Proposition 65</b> | None Reported |
|--------------------------------------|---------------|

**National Inventory Status**

| <b>National Inventory</b>                       | <b>Status</b> |
|-------------------------------------------------|---------------|
| 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**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Revision Date</b> | 24/11/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Initial Date</b>  | 24/11/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Version #</b>     | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Disclaimer</b>    | <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> |

