

# Safety Data Sheet

## EXCAVATOR® AMS

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name EXCAVATOR® AMS

#### 1.2 Other means of identification

Not applicable

#### 1.3 Recommended use of the chemical and restrictions on use

Agricultural product

#### 1.4 Supplier's details

Name Meristem Crop Performance  
Address 489 Village Park Drive  
Powell, Ohio 43065  
USA

Telephone 833-637-4783

#### 1.5 Emergency phone number(s)

CHEMTREC: 1-800-424-9300

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

##### GHS classification

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 2

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

**Danger**

##### Hazard statement(s)

H315

H318

Causes skin irritation

Causes serious eye damage

##### Precautionary statement(s)

P264

P280

P302+P352

Wash hands and exposed skin thoroughly after handling.

Wear eye protection/face protection/protective gloves.

IF ON SKIN: Wash with plenty of water.

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P305+P351+P338+P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

### 2.3 Hazards not otherwise classified (HNOC)

No data available

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

#### Components

Component	Concentration
Ammonium Sulfate (CAS no.: 7783-20-2)	21 % (weight)
Alkyl Polyglucoside	20 % (weight)
Organic acids	2 % (weight)
Rheology and dispersant agents	5 % (weight)
Fulvic Acid (CAS no.: 479-66-3)	1 % (weight)

Non-plant food ingredients: Bacillus amyloliquefaciens, Bacillus licheniformis, Bacillus megaterium, Bacillus pumilus, Bacillus coagulans.

The specific chemical identities and/or actual concentrations for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	Remove to fresh air and promote deep breathing. Get medical attention if effects persist.
In case of skin contact	Get medical attention if irritation or rash develops or persists. Wash with plenty of soap and water.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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If inhaled	No adverse effects are normally expected. May cause mild respiratory irritation.
In case of skin contact	Causes skin irritation. Signs/symptoms may include localized dryness, redness, and itching.
In case of eye contact	Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.
If swallowed	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing media appropriate for surrounding fire.

### 5.2 Specific hazards arising from the chemical

Product is not classified as flammable or combustible in accordance with US OSHA (29 CFR 1910.1200).

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### 6.2 Environmental precautions

Discharge into the environment must be avoided. Stop spill/release if it can be done safely.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

### Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Do not eat, drink or smoke when using this product. Wash hands with soap and water after handling. For personal protection see section 8. For precautions see section 2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Min. Storage Temp: 15° F.

### Specific end use(s)

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Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

No applicable occupational exposure limits.

#### 8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. Eyewash stations and showers should be available in areas where this material is used and stored.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

##### Pictograms



##### Eye/face protection

Wear safety glasses/goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Wear protective gloves. Consult manufacturer specifications for further information.

##### Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). If the respirator is the sole means of protection, use a full-face supplied air respirator.

##### Thermal hazards

No data available.

##### Environmental exposure controls

Discharge into the environment must be avoided.

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid.
Odor	Characteristic.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.

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Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Density	9.71 lb/gal @ 68°F (20°C)
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

### Other safety information

No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal use conditions.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Keep away from incompatible materials.

### 10.5 Incompatible materials

Strong oxidizers, strong acids, strong bases, reactive metals.

### 10.6 Hazardous decomposition products

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

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## SECTION 11: Toxicological information

### Information on toxicological effects

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

If inhaled No adverse effects are normally expected. May cause mild respiratory irritation.

In case of skin contact Causes skin irritation. Signs/symptoms may include localized dryness, redness, and itching.

In case of eye contact Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

If swallowed May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### Acute toxicity

Based on available data, classification criteria are not met.

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Components:

Ammonium Sulfate (CAS no.: 7783-20-2)

LD50 (oral): >2000 mg/kg

LD50 (dermal): >2000 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.

### **Serious eye damage/irritation**

Causes serious eye damage.

### **Respiratory or skin sensitization**

Based on available data, classification criteria are not met.

### **Germ cell mutagenicity**

No data available.

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

No data available.

### **STOT-single exposure**

No data available.

### **STOT-repeated exposure**

No data available.

### **Aspiration hazard**

Based on available data, classification criteria are not met.

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## **SECTION 12: Ecological information**

### **Toxicity**

No data available on product.

### **Persistence and degradability**

No data available on product.

### **Bioaccumulative potential**

No data available on product.

### **Mobility in soil**

No data available.

### **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

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### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### Disposal of contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 311/312 Hazards

Acute health hazard.

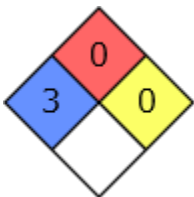
#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### HMIS Rating

EXCAVATOR® AMS	
HEALTH	3*
FLAMMABILITY	0
PHYSICAL HAZARD	0

#### NFPA Rating



## **SECTION 16: Other information**

### **16.1 Further information/disclaimer**

Date of issue: May 24, 2024.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.