

SAFETY DATA SHEET

AgPro Systems, Inc.
242 PR 3341
Big Sandy, Texas 75755
(903) 636-5545

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: AgPro MICROPLUS OA™
SDS Identifier: AgPro MICROPLUS OA™

1.2 Recommended Use: For use on plants and/or soils only. Not for human or animal use.

1.3 Manufacturer: AgPro Systems, Inc.
Address: 242 PR 3341
Big Sandy, Texas 75755-4658

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SECTION 2: HAZARDOUS IDENTIFICATION

2.1 Classification of Substance or Mixture:

Classification (GHS-US) Not classified

2.2 Label Elements:

GHSUS Labeling: No labeling applicable

2.3 Hazard Statement:

Intended for plant and/or soil use. NOT FOR HUMAN OR ANIMAL USE

Keep container tightly closed. Wear eye protection to avoid splashing in eyes. If swallowed call a poison center/doctor if you feel unwell. If on skin (or hair) wash with soap and water. If irritation develops, consult physician for skin rash.

Eyes: Flush with clean water for 15 minutes. If irritation persists, consult physician.

Ingestion: Rinse mouth. If ingested drink milk if you feel unwell. Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

Inhalation: Use in ventilated area, however if symptomatic, remove to fresh air. Store in well-ventilated area. Product is not damaged by freezing other than container could break due to expansion. Avoid prolonged storage above 120° F.

2.4 Hazard(s) not otherwise classified (HNOC)

Keep out of reach of children. Not for human or animal use

2.5 Supplemental Information:

None available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Composition information on ingredients:

Liquid Mixture

Soluble Potash (K₂O) 3.00%
Derived from kelp extract

Other Ingredients:

Kelp Extract 30.00%
Enzyme Complexes (fermentation extracts) 67.00%

SECTION 4: FIRST AID MEASURES:

4.1 Description of First Aid Measures:

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Rinse skin with water/shower. If skin irritation occurs: Skin irritation: May cause redness and rash. Get medical advice/attention.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. If irritation develops or persists seek medical advice.

Ingestion: Rinse mouth. If swallowed call a poison center or doctor/physician if you feel unwell. Do not induce vomiting of unconscious person. If ingested drink milk if you feel unwell. Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

Most Important Symptoms/effects, acute and delayed Symptoms may include stinging, tearing, redness and blurred vision.

SECTION 5: FIRE-FIGHT MEASURES:

5.1 Suitable extinguishing media: Product is water based, so should not burn. Water fog, sand or earth may be used

Unsuitable extinguishing media: None known, product is water based so should not burn

5.2 Specific hazards arising from the chemical: None known, product is water based so should not burn

5.3 Fire-fighting equipment/instructions Product is water based so should not burn. Use standard water spraying equipment and smother fire for other involved materials such as container

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials such as container or other chemicals.

General fire Hazards: Non-flammable soil amendment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures Product is environmentally safe and should not contaminate soil. Use water spray to reduce concentration of product.

6.1.1 For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE)

Environmental precautions Product is environmentally safe.

6.1.2 For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling. Do not store in temperatures above 120° F for long periods. Keep out of direct sunlight.

Do not store in freezing temperatures. Product is not damaged by freezing other than container could break due to expansion.

Do not get in eyes. Use only in well-ventilated area. Wear appropriate personal protective equipment such as safety glasses when using any chemical. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in well-ventilated cool, dry place out of direct sunlight.

Store in original tightly closed container. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Occupational exposure limits None known

Biological limit values No biological exposure limits noted for the ingredients.

Appropriate engineering controls: Good general ventilation should be used. Eye-wash facilities should be available when handling product.

8.2 Individual protection measures such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles)

Skin protection, Hand protection None needed unless you have sensitive skin, then wear appropriate gloves.

Other: Wear appropriate clothes when applying any chemical. See chemical manufacturer label.

Respiratory protection: Use in well ventilated area.

General hygiene considerations When using, always observe good personal hygiene measures such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical state:	Liquid
Form:	Liquid
Color:	Dark Brown
Odor:	Fishy
Odor threshold:	Not available
pH	7.0 – 8.5
Melting point/freezing point:	Not available
Initial boiling point and boiling Range:	200°F
Flash Point:	Not Applicable
Evaporation rate:	Typical to water in environment present
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	
Flammability limit – Lower (%)	Non-flammable
Flammability limit – Upper (%)	Non-flammable
Explosive limit – Lower (%)	Non-flammable
Explosive limit – Upper (%)	Non-explosive
Vapor pressure	Not applicable

Relative density	Not available
Solubility(ies)	100% soluble in water
Partition coefficient	Not available
Auto-ignition temperature:	Non-flammable
Decomposition temperature:	Not available
Viscosity:	
Other information:	
Density	Not available
Pour Point	Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport
- 10.2 Chemical stability:** Material is stable under normal conditions
- 10.3 Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use
- 10.4 Conditions to avoid:** Avoid freezing temperatures as container may break due to expansion
- 10.5 Incompatible materials:** As with all chemicals, conduct a jar test prior to mixing any chemicals
- Hazardous decomposition products:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- 11.1 Ingestion** None known
- 11.2 Inhalation** None known
- 11.3 Skin contact** None known
- 11.4 Eye contact:** May cause eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics: May include stinging, tearing, redness and blurred vision. Skin irritation. None known

- 11.5 Information on Toxicological. Effects – Ingredient(s):** None known

Product	Species	Test Results
AgPro MICROPLUS OA™		
Acute		No toxicology problems known
Dermal		No toxicology problems known
Oral		No toxicology problems known

- 11.6 Germ cell mutagenicity:** No data available to indicate product or any components present.

- 11.7 Carcinogenicity:** None known

- 11.8 Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects

Specific target organ toxicity - Single exposure: None known

Specific target organ Toxicity – repeated exposure: None known

Aspiration hazard: Not an aspiration hazard

Chronic effects: None known

SECTION 12: ECOLOGICAL INFORMATION

Product	Species	Test Results
AgPro MICROPLUS OA™		
Acute		None known
Algae		None known
Crustacea		None known
Fish		None known

Persistence and degradability Readily biodegradable

Bioaccumulative potential None

Mobility in soil Slight

Other adverse effects No adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose of 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/contaminated packaging: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container should be disposed of in a safe manner

Since emptied containers may retain product residue follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

- 14.1 DOT: Not regulated
- 14.2 IMDG: Not regulated
- 14.3 IATA: Not regulated
- 14.4 TDG: Not regulated

SECTION 15: REGULATORY INFORMATION

US Federal Regulations: This product is a non-hazardous soil amendment
TSCA Section 12(b) Export Notification: Not regulated
CERCLA Hazardous Substrate List (40 CFR 302.4): Not listed
US OSHA Specifically Regulated Substrates (29 CFR 1910.1001-1050) Not listed
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
SARA 302 extremely hazardous substance: No
SARA 311/312 hazardous chemical: No
SARA 313 (TRI Reporting)

Chemical Name	CAS NUMBER	% BY WT.
AgPro MICROPLUS OA™	MIXTURE	N/A

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not Regulated
Clean Air Act (CAA) Section 112® Accidental Release Prevention (4D CFR 68.130): Not regulated
Safe Drinking Water Act (SDWA): Not regulated

US state regulations

US – Pennsylvania RTK – Hazardous Substances:	Not listed
US – Massachusetts RTK – Substance List:	Not Listed
US - Rhode Island RTK -	Not Regulated
US – California Proposition 65:	Not Listed
US – California Proposition 65 – CRT:	Not Listed

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	no
Canada	Domestic Substances List (DSL)	no
Canada	Non-domestic Substances List (NDSL)	no
China	Inventory of existing chemical substances in China (IECSC)	no
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	no
Europe	European List of Notified Chemical Substances (ELINCS)	no
Japan	Inventory of Existing and New Chemical Substances (ENCS)	no
Korea	Existing Chemicals List (ECL)	no
New Zealand	New Zealand Inventory	no
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	no
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	no

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date: June 1, 2015
Revision date: June 1, 2015
Version # 1
NFPA ratings



NFPA Health Hazard: 1 – Exposure could cause minor irritation
NFPA Fire Hazard: 0 – Material will not burn
NFPA Reactivity: 0 – Product stable, even under fire exposure conditions and are not reactive with water

HMIS III RATING

Health: 1 – Slight irritation or minor eye irritation possible
Flammability: 0 – Non-flammable
Physical: 1 – Slight irritation or minor eye irritation possible

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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