Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	CropFuse HS-MSO
Description	Agricultural Adjuvant

Registered company name	**Meristem Crop Performance, LLC**
Address	489 Village Park Dr. Powell, OH 43065
Telephone	1-833-637-4783
Emergency telephone	National Capital Poison Center: 1-800-222-1222

2. HAZARD IDENTIFICATION

GHS Classification

Acute toxicity:

Inhalation	High mist concentrations may cause irritation.
Eye Contact	May cause transient irritation. Symptoms include burning, stinging, and tearing.
Skin Contact	No specific hazard known, may cause transient irritation.
Ingestion	No specific hazard known.

GHS Label	**No pictogram required.**

Signal Word	**Caution**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS number	Percentage
Proprietary Blend of Modified Vegetable Oil and NPE Free Emulsifier	Mixture	100%

4. FIRST AID MEASURES

Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention if symptoms persist.
Skin	Wash with soap and water. Get medical attention if symptoms occur.
Inhaled	Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
Ingestion	Seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol foam, dry chemical, carbon dioxide, water fog or material appropriate for surrounding fire.
Unsuitable Extinguishing Media	Water or foam may cause frothing.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards	None Known
Hazardous Combustion Products	Carbon oxides, sodium oxides

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate personal protective equipment (see Section 8).
Spill Cleanup Methods	Small Liquid Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Surfaces may become slippery when wet.
Large Spillage	Flush spill area with water spray. Prevent runoff from entering drains, sewers or streams. Dike for later disposal.

7. HANDLING AND STORAGE

Handling	Proper sanitation with food grade products is essential. Avoid breathing mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep containers closed. Drums: Protect against physical damage. Bulk storage: Store in standard flammable liquid storage tanks. To maintain product quality do not store in heat or direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Chemical Name	Source	Type	Exposure limits	Notes
Proprietary	ACGIH	TWA	10 mg/m3	Irritation
Proprietary	OSHA	PEL	5 mg/m3	--
Proprietary	California	TWA	10 mg/m3	--
Proprietary	North Carolina	TWA	5 mg/m3	--
Proprietary	Oregon	TWA	10 mg/m3	--

Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids
Respiratory Protection	Wear a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions where there may be potential for airborne exposure. If respirators are used, OSHA requires compliance with its respiratory protection program (29 CFR 1910.134).
Eye Protection	Wear OSHA standard chemical splash goggles.
Skin Protection	Wear gloves and protective clothing appropriate for the risk of exposure.
Hygiene Measures	Eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odor	Grain-like
pH	Not determined
Freeze / Melting Point	Not determined

Boiling Point / Range	Not determined
Density (lb/gal)	10.28
Flash Point	> 120C
Color	Amber
Solubility in Water	Miscible
Viscosity	Not determined
Odor Threshold	Not determined
Evaporation Rate	Not determined
Upper / Lower Flammability Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Partition Coefficient	Not determined
Auto-Ignition Point	Not determined
Decomposition Temperature	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperatures and atmospheric pressure.
Conditions to Avoid	None known
Hazardous Decomposition	Carbon oxides, sodium oxides
Hazardous Polymerization	Will not occur.

11. TOXICOLOGY INFORMATION

Acute:	**Based on product components**		
	Oral LD50	Rat	> 12,600 mg/kg
	Dermal LD50	Rabbit	> 10,000 mg/kg

12. ECOLOGICAL INFORMATION

Environmental Data	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of waste and residues in accordance with local authority requirements. Incinerate.
Empty Containers	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

Shipping Description:	Not regulated for ground transportation by US DOT.

15. REGULATORY INFORMATION

SARA TITLE III

311/312 Hazard Categories	None
313 Reportable Ingredients	None
302/304 Emergency planning	Not listed

California Safe Drinking Water and Toxic Enforcement Act
This product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

Revision Date	6/12/24
Initial Date	12/7/23

Other information
Classification of the preparation and its individual components has drawn on official and authoritative sources using available literature references.
The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.