

# Material Safety Data Sheet

## J. R. Simplot Company

### AgriBusiness

Trade Name: Enhance™  
Registration No: None

#### SECTION 1

#### CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: J.R. Simplot Company  
P.O. Box 70013  
Boise, ID 83707  
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: Enhance  
Common Name: Enhance  
Chemical Type: Adjuvant

#### SECTION 2

#### COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
Nonylphenol	9016-45-9		<10	None	None
Glycol Ether	111-77-3		<2	None	None
Non-Hazardous					
Not listed					

#### SECTION 3

#### HAZARDS IDENTIFICATION

**Ingestion:** Moderately alkaline product which can aggravate the mucous membrane if swallowed. Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

**Inhalation:** Possible.

**Eye Contact:** This product may cause discomfort to eyes.

**Skin Contact:** Not normally absorbed through the skin.

**Effects of Overdose:** Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

#### SECTION 4

#### FIRST AID MEASURES

**Ingestion:** DO NOT INDUCE VOMITING. Give plenty of water followed by orange, lemon or grapefruit juice. Seek immediate medical attention. Do not give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. Seek medical attention if condition persists.

**Eyes:** Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.

**Skin:** Wash with soap and water. Use a skin cream. Contaminated clothing must be washed before re-use. Seek medical attention if condition persists.

**Notes to Physician:** Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions of the patient.

#### SECTION 5

#### FIRE FIGHTING MEASURES

**Extinguishing Media:** Use media suitable to extinguish source of fire.

**Special Fire Fighting Procedures:** Use self-contained breathing equipment. Product is not combustible.

**Unusual Fire and Explosion Hazards:** During extremely high temperature fire conditions, this product may decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.

#### SECTION 6

#### ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:** Keep out of water supplies, lakes, ponds, streams and rivers.

**Steps to be taken in case material is released or spilled:**  
Small spill: Soak up in absorbent clay or sand and place in approved salvage container for reuse or disposal. Large spill: Dike and pump into salvage containers or contact hazardous waste disposal company. Contact state or local authorities for disposal details.

#### SECTION 7

#### HANDLING AND STORAGE

**Precautions to be taken in handling and storing:**  
Store in a cool, dry area and keep lid tightly closed when not in use. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

#### SECTION 8

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Adequate ventilation.

**Respiratory Protection:** Approved respirator when necessary.

**Protective Clothing:** Normal clean work clothing, rubber or plastic gloves and rubber or plastic apron.

**Eye Protection:** Safety glasses with side shields or goggles may be necessary.

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SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point:	212° F	Solubility in Water:	Not available
Density:	Not available	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	7.5	Reaction with Water:	None
Appearance:	Hazy white liquid with bland odor.	Specific Gravity:	1.05
Extinguishing Media:	Use media suitable to extinguish source of fire.		

SECTION 10	STABILITY AND REACTIVITY
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Stability (Normal Conditions): Stable  
Conditions to Avoid: Heat.  
Incompatibility (Material to Avoid): Strong acids and oxidizing agents. Prolonged contact may cause oxidation of unprotected metals.  
Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.  
Hazardous Polymerization: Will not occur

SECTION 11	TOXICOLOGY INFORMATION
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None listed.

SECTION 12	ECOLOGICAL INFORMATION
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None listed.

SECTION 13	DISPOSAL CONSIDERATIONS
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Waste Disposal Procedures: Dispose of small amounts with inert absorbent materials and dispose of according to regulations by applying to soil using good agricultural practices and soil management.

SECTION 14	TRANSPORT INFORMATION
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Shipping name:	Not regulated by DOT	C.A.S. Number:	See "Ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15	REGULATORY INFORMATION
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Carcinogenicity: by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)

Not on the 302 list of SARA reportable quantities.

SECTION 16	OTHER INFORMATION
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Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 1

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