

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

Trade Name: Attain
Registration No: None

M77302

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For:	Plant Health Technologies P.O. Box 70013 Boise, ID 83707	Product Name:	Attain
		Common Name:	Attain
Emergency Phone - Chemtrec:	1-800-424-9300	Chemical Type:	Non-Ionic Soil Penetrant and Soil Amendment

SECTION 2

COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-	9016-45-9	(C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	33	Not listed	Not listed
Non-Hazardous					
Non Plant Food Ingredients including:					
Biologicals (Bacteria, Fungi, Enzymes, etc)	NA	NA	55.5	Not listed	Not listed
Long Chain Poly-Phenolics	NA	NA	10	Not listed	Not listed
Soil Stabilizing Polymers	NA	NA	0.9	Not listed	Not listed
Natural & Enhanced Chelation Agents	NA	NA	0.3	Not listed	Not listed
System Stabilizers	NA	NA	0.3	Not listed	Not listed

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Should not occur. Intended for plant and soil use, not for human consumption. Could cause gastrointestinal discomfort.
Inhalation: Exposure to excessive concentrations may cause aggravation of the nose and throat, headaches, nausea and drowsiness.
Eye Contact: Can cause moderate eye discomfort.
Skin Absorption: None listed.
Skin Contact: May cause discomfort. Prolonged contact, as with clothing wetted with the product, may cause more severe symptoms. Acute adverse effects are not expected from brief skin contact.

SECTION 4

FIRST AID MEASURES

Ingestion: If swallowed, no specific remedy is indicated. If patient is conscious and can swallow, give plenty of water and induce vomiting as directed by medical personnel. Consult a physician if nausea occurs.
Inhalation: Remove to fresh air. Consult physician if breathing becomes difficult or discomfort persists.
Eyes: Flush with clean water for 15 minutes. Consult physician if aggravation persists.
Skin: Wash with clean water and soap. Consult physician if discomfort persists.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: None listed. Product is non-flammable liquid.
Unusual Fire and Explosion Hazards: None listed. Product is non-flammable liquid.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
Reclaim as much material as possible. Absorb remaining product with sand, soil, or commercial absorbents such as floor dry. On large spills, dike to prevent entry waterways, storm drains or sewers. Moderately toxic to aquatic life.

SECTION 7

HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Avoid freezing. Do not store in direct sunlight. Avoid prolonged storage above 120°F. Keep out of reach of children. If handling product out of the container, frequent handwashing is suggested.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Provide adequate ventilation, especially in enclosed spaces.
Respiratory Protection: If necessary, use appropriate-approved respirator after determining the air-borne concentration of the product.
Protective Clothing: Long-sleeve shirts and long pants are recommended. Soiled work clothing should be promptly removed and laundered.
Eye Protection: Protective eyewear recommended.
Other: As required for application.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	68°C (154°F)	Solubility in Water:	100%
Density:	8.35 lbs/gal	% Volatiles (by volume):	4% at 87°F for 24 hours
Flashpoint:	80°C (176°F) - room temperature	Vapor Pressure, mm Hg:	Not listed
pH:	7.07	Reaction with Water:	Soluble
Appearance:	Amber-gold/orange viscous liquid.		
Extinguishing Media:	Use media suitable for extinguishing source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable
Conditions to Avoid:	Prolonged storage of 120°F decreases product effectiveness. Avoid freezing and direct sunlight.
Incompatibility (Material to Avoid):	None known. As with all products, a compatibility test should be conducted prior to tank mixing.
Hazardous Decomposition Products:	Non-flammable; however, hazardous decomposition products may evolve in the event of any fire.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None

SECTION 11

TOXICOLOGY INFORMATION

This product may contain residual (<100 ppm) concentrations of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Utilize product according to label recommendations. If disposal is necessary, dispose of in accordance with any local, state or federal regulations

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT *	C.A.S. Number:	None listed
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		

* Does not sustain combustion per 49CFR 173 Appendix H testing methods.

SECTION 15

REGULATORY INFORMATION

Carcinogenicity: Not listed

Not on the SARA 302 list of reportable quantities.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

This product contains 33% of an ethoxylated product which may evolve residual amounts of ethylene oxide which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated as in blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for Ethylene Oxide (EO) is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29 CFR 1910.1047).

MSDS Version Number: 3 (revisions to Section 1)

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