

Safety Data Sheet
Assist Natural Products LLC

Trade Name: Relentless Plus

Section 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	Assist Natural Products 218 Evergreen Drive Lena, IL 61048	Product Name:	Relentless Plus
		Product Description:	Bedding Amendment
Issue Date: 02/05/2013		Chemical Family:	Mixture
Emergency Phone:	815.369.2195		

Section 2 HAZARDOUS IDENTIFICATION

Emergency Overview: Gray irregular solid. May be irritating to eyes, skin and respiratory system. Use with adequate ventilation.

OSHA Regulatory Status: This material is considered hazardous under the OSHA standard.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled. Effects may be delayed.

Eye Contact: Dust can cause irritation and redness.

Skin Contact: May cause irritation.

Chronic Exposure: Repeated inhalation can cause lung damage.

Aggravation of Pre-existing Conditions: No information found.

Target Organs: Lungs

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Common Names, Synonyms, Percent</u>
Montmorillonite Clay	1302-78-9	Sodium Bentonite
Sodium Aluminosilicate	12173-10-3	Zeolite
Phosphate Rock	1306-05-4	Rock Phosphate
Super Sulfur Potash – 4 Cas #'s		
Sulfur	7704-34-9	Sulfur
Calcium Sulfate	10043-67-1	Gypsum
Iron Sulfate	7720-78-7	ferrous sulfate
Aluminum Potassium Sulfate	10043-67-1	potassium alum
Humate	129521-66-0	Humus, Oxidized lignite, Leonardite

Non-hazardous components may or may not be listed. Carcinogens are listed when present at 0.1% or more; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or more. This is not intended to be complete compositional disclosure. See Section 15 for applicable states right to know and other regulatory information.

Section 4 FIRST AID MEASURES

First aid procedures

Ingestion: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms appear, get medical attention.

Inhalation: If symptoms are experienced, move victim to fresh air. If breathing is difficult, have trained personnel administer oxygen. If respiration stops, have trained personnel administer artificial respiration. Get medical attention immediately

Eyes: Immediately flush eyes with plenty of water for 15 minutes, Lifting lower and upper eyelids occasionally. Get medical attention promptly.

Note to Physicians: Treat symptomatically and supportively.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Section 5 FIREFIGHTING MEASURES

Fire:	Combustible solid.			
Explosion:	Not considered and explosion hazard. Low dust-producing solid.			
Extinguishing Media:	Any suitable for surrounding fire.			
Special Precautions:	In the event of a fire; wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or positive pressure mode.			
NFPA Rating:	Health - 1	Flammability - 1	Reactivity - 0	Other - OX

Section 6 ACCIDENTAL RELEASE MEASURES

Methods for Clean Up:	Sweep powder into suitable container for re-use or disposal.
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Section 7 HANDLING & STORAGE

Handling:	Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.
Storage:	Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:	
Eye Protection:	Use safety glasses to prevent dust contact. Maintain eye wash fountain in work area.
Skin:	Wear impervious protective clothing, including boots, gloves, apron or coveralls, as appropriate, to prevent skin contact.
Inhalation:	Use dust mask or NIOSH-approved dust respirator if exposure is unknown or exceeds permissible limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.
Engineering Controls:	A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gray irregular solid	Bulk density (lbs/ft ³)	55
Odor	Mild	pH	Not applicable
Odor Threshold	Not determined	Solubility in water	Partial
Melting Point	Not determined	% Volatiles	< 1%
Boiling Point	Not determined	Evaporation Rate	Not determined
Flash Point	Not applicable	Vapor Pressure	Not determined

Section 10 STABILITY & REACTIVITY

Chemical Stability (Normal Conditions):	This product is stable in closed containers at room temperature.
Conditions to avoid:	Incompatible materials, combustible materials.
Incompatible Materials:	Strong acids, strong bases.
Hazardous Decomposition Products:	Oxide of carbon (CO, CO ₂), oxides of potassium, oxides of sulfur, oxides of calcium
Hazardous Polymerization:	Will not occur.

Section 11 TOXICOLOGY INFORMATION**Toxicology data:**

Acute Dose Effects: Eyes: Mild to moderate irritation.
Skin: No information found.
Oral: Iron Sulfate: Rat LD50: 319 mg/kg
Inhalation: No information found.
Carcinogenicity: Components not listed by ACGIH, IARC, NT, or CA Proposition 65

Section 12 ECOLOGICAL INFORMATION**Eco toxicity:**

Environmental Fate: This product is not expected to bio accumulate. This product is readily biodegradable. The products of degradation are less toxic than the product itself.

Eco toxicity: Low toxicity to aquatic life.

Section 13 DISPOSAL CONSIDERATIONS

Disposal instructions: As a waste, this material IS NOT considered a HAZARDOUS WASTE under RCRA (29 CFR 261). Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.
 State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 TRANSPORT INFORMATION

General Information:	Non Hazardous	C.A.S. Number:	None
US DOT:	Not Regulated	D.O.T. Number:	None
Proper Shipping Description:	Class 60		
Not regulated for transport by U.S. DOT, IATA, IMDG or TDG			

Section 15 REGULATORY INFORMATION

TSCA Chemical Inventory: All of the chemicals in this product are listed on the TSCA Inventory.
TSCA Sec 4 Chemical Test Rule: None of the chemicals in this product are under a Chemical Test Rule.
TSCA Sec 8(d): None of the chemicals in this product are on the Health and Safety Reporting List.
TSCA Sec 12(b) Notices of Export: None of the chemicals in this product are on this list. TSCA Significant New Use Rule (SNUR): None of the chemicals in this product are on this list. SARA Sec 302 (EHS) TPQ: None of the chemicals in this product are on this list.
SARA Sec 302 (EHS) RQ: None of the chemicals in this product are on this list.
SARA Sec 311/312: Acute – Yes; Chronic – No; Fire – No; Release of Pressure – No; Reactivity – No
SARA 313 List: None of the chemicals in this product are reportable under Section 313 Title III and 40 CFR Part 372.
CERCLA Hazardous Substances and corresponding RQs: Not applicable
RCRA: None of the chemicals in this product are on this list.
Clean Air Act: Hazardous Air Pollutants? No Class 1 Ozone Depletors? No Class 2 Ozone Depletors? No
Clean Water Act: Hazardous Substance? No Priority Pollutant? No Toxic Pollutant? No
Chemical Weapons Convention: None of the chemicals in this product are on this list.

Section 15 REGULATORY INFORMATION

Continued:

Drug Enforcement Agency

(DEA) CDTA: None of the chemicals in this product are on this list.

OSHA: None of the chemicals in this product are considered Highly Hazardous by OSHA.

State Right-to-Know Lists: Aluminum potassium sulfate is on the state Right-to-Know lists of California, Pennsylvania and Minnesota. Calcium sulfate is on the state Right-to-Know lists of Pennsylvania, Minnesota and Massachusetts. Sulfur is on the state Right-to-Know lists of California, New Jersey, Pennsylvania and Massachusetts. Iron Sulfur is on the state of Right-to-Know lists of California, New Jersey, Pennsylvania, Massachusetts and Minnesota.

California Proposition 65: None of the chemicals in this product are on this list.

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations. The components in this product are listed, or exempt from listing, on the Canadian Domestic Substances List.
WHMIS Classification: Not WHMIS Controlled

Section 16 Other Information

HMIS ratings: Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings: Health: 1
Flammability: 0
Reactivity: 0

Abbreviations and acronyms used:

ACGIH	American Conference of Governmental Industrial Hygienists
NA	not applicable, not available
ANSI	American National Standards Institute
NIOSH	Nat'l Institute for Occupational Safety & Health
ATM	atmosphere (pressure unit)
ND	not determined
BOD	biological oxygen demand
NFPA	National Fire Prevention Association
CAS	Chemical Abstracts Service
NTP	National Toxicology Program
CC	closed cup
OC	open cup

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