

MATERIAL SAFETY DATA SHEET

MSDS No.: NSC - 1

Contact Number: 979-596-1723

Affiliated Minerals, Inc.
17430 State Highway 36 South
Somerville, TX 77879

Medical Emergency No.: 979-596-1723
Preparation Date: 04/27/09
Supersedes: 03/14/05

This MSDS complies with 29CFR1910.1200 (Hazard Communication Standard)

SECTION I – PRODUCT IDENTIFICATION

Product Name: HumaGrow NSC
General/Generic ID: Granular Soil Amendment (insoluble)
Hazard Classification: Health – 1 Fire – 0 Reactivity – 0
DOT Shipping Class: 50

SECTION II – COMPOSITION

Component	Percent by Weight	CAS Number	Hazardous
Humic and Fulvic Acids	84%	1415-93-6	No
Inorganic Salts	16%		No

SECTION III – PHYSICAL DATA

Boiling Point (°F): N/D
Specific Gravity: 1.8
Vapor Pressure (mm Hg): N/D
Vapor Density: N/D
Percent Volatiles: N/D
Solubility (in water): 0%
Evaporation Rate: N/D
Appearance: Dark brown/black granules
Odor: Slight, Earthy

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Degrees F): N/A
Flammability Limits: N/D
Extinguishing Media: Water fog
Products Evolved During Combustion: N/D
Special Firefighting Procedures: N/D

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Product Name: HumaGrowNSC

Medical Emergency No.: 979-596-1723
MSDS No.: NSC-1

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Unusual Fire and Explosion Hazards: An explosive cloud could not be obtained even with Humate in fine form in the Factory Mutual Dust Explosive apparatus.

SECTION V – HEALTH HAZARD DATA

Humic Acid: N/D
Fulvic Acid: N/D
Inorganic Salts: N/D

Effects of Acute Overexposure for Product:

Eyes: Can cause irritation
Skin: Humate was determined to be non-irritating to skin of test animals
Inhalation: Humate failed to produce mortality or irreversible signs of toxicity in rats
Ingestion: All rats survived a 14-day period following ingestion

SECTION VI – EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes and get medical care
Skin: Flush skin with water followed by washing with soap and rinsing with plenty of water
Inhalation: Remove to fresh air
Ingestion: Drink plenty of water. Get medical care, if required

SECTION VII – REACTIVITY DATA

Stability: Stable
Conditions to avoid: Ignition Temperature approximately 770° F
Materials to avoid: N/D
Hazardous decomposition Product: N/D
Hazardous Polymerization: Will not occur

SECTION VIII – SPILL OR LEAK PROCEDURES

Steps to be taken in case of material release or spill
Small: Sweep up with a broom and dustpan. Wet towels can be used for final clean up.
Large: Confine and isolate the spill. Shovel up and put in suitable containers. Dust respirators should be used.
Waste Disposal
Small: Check local rules
Large: Check local rules

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SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Dust respirators similar to North 7700 series equipment with N7500-1 cartridges, N7500-6A filters, and N7500-27 filter covers.
Ventilation:	Mechanical (general) ventilation is usually adequate.
Protective Gloves:	Rubber or plastic
Eye Protection:	Chemical goggles
Other Protective Equipment:	Eye bath, safety shower, and oxygen mask available. Safety glasses should be worn.

SECTION X – SPECIAL PRECAUTIONS

Handling and Storage Precautions:	None Considered Necessary
Other Precautions:	None Considered Necessary

Hazard Classification Key:
0 – Least; 1 – Slight; 2 – Moderate; 3 – High; 4 – Extreme
N/D – Not Determined; N/A – Not Applicable