



Production

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Material Safety Data Sheet for Natural Peat Multifunctional Oil & Petroleum Products Absorbent **Absorbent-Biodestructor AridGrow® PHOA-M**

MSDS Date: 06-03-2023

Product Name: AridGrow PHOA-M (Powdered Humic Oil Absorbent-Multifunctional)

Inventor: AridGrow Laboratories Ltd. (UK)

Manufacturer: AridGrow Production JLLC (Belarus) by **TY BY 490431644.010-2023**

I. Product and Company Description AridGrow Production JLLC, Belarus, 247988, Chervonoe 31-1, Zhitkovichi District, Gomel Region

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Product Use: Hydrocarbon & Chemical Absorbent (Ecology Protection)

Chemical Name or Synonym: Concentrated Powdered Humic Substances extracted from Natural Peat

Molecular Formula: NA

II. Chemical Composition

No	Component	Composition
1.	Humic Substances (Humin)	80%
2.	Ash Content	15%

III. Hazards Identification

A. Emergency Overview:

Physical Appearance and Odor: Dark-Brown Powder without Any Smell.

B. Potential Health Effects:

Acute Eye: None

Acute Skin: None

Acute Inhalation: None

Acute ingestion: None

Chronic effects: None

IV. First Aid Measures

First Aid Measures for Accidental Exposure:

Eye Exposure: None

Skin Exposure: None

Inhalation: None

Ingestion: None

V. Fire Fighting Measures

Fire Hazard Data:

Flash Point: ND

Method Used: ND

Ignition Temperature: >140 C°

Flammability Limits (vol/vol %): Lower: ND Upper: ND

Extinguishing Media: Water spray, Dry extinguisher, foam or CO₂
Special Fire Fighting Procedures: Move bags from fire areas if possible.
Unusual Fire and Explosion Hazards: None
Hazardous Decomposition Materials (Under Fire Conditions): None

VI. Accidental Release Measures

Cleanup and Disposal of Spillage: Dispose of materials according to the applicable Federal, State, or Local Regulations.

VII. Handling and Storage

Handling: None

Storage: Store in a cool dark place far from direct sunshine and sources of combustion with temperature range -50°C/+50°C. Prevent unwanted encapsulation of moisture.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Nº	Component	Exposure limits
1.	Peat	ND
2.	Water	NA

Engineering Controls: None

Respiratory Protection: None

Eye / Face Protection: None

Skin Protection: None

IX. Physical and Chemical Properties

Physical Appearance: Dark-Brown Powder

Moisture (H₂O): 15%

Odor: without any odor

Acidity (pH), range: 3,5-5,5

Oil Absorption Capacity (g/g): 4-8

Floatation (in Days): 25

Specific Gravity: 2.5

Water Solubility: not soluble

Melting Point Range: NA

Boiling Point Range: NA

Vapor Pressure: ND

Bulk Density: 400 kg / 1 cubic meter

Percent Volatile: ND

Evaporation Rate: NA

X. Stability and Reactivity

Chemical Stability: Stable under standard use and storage conditions.

Conditions to Avoid: Keep away from heat, ignition sources, and electrostatic discharge.

Materials / Chemicals to be Avoided: Strong oxidizing agents.

Hazardous Decomposition Products: None

Hazardous Polymerization: None

XI. Toxicological Information

Acute Oral Toxicity: LD₅₀: 7500 mg/kg (rat)

Acute Dermal Toxicity: None

Acute Inhalation Toxicity: None

Chronic Toxicity: None

XII. Ecological Information

Ecotoxicological Information: Degradation: None

Accumulation: None

Fish-Toxicity: None

Chemical Fate Information: Not Determined

XIII. Disposal Considerations

Waste Disposal Method: Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

Container Handling and Disposal: Dispose of container and unused contents in accordance with federal, state, and local regulations.

XIV. Transportation Information

Belarus Ministry of Transport and Communications Rating:

Proper Shipping Name: Not regulated

Hazard Class: Not regulated

ID Number: Not regulated

Packaging Group: Not regulated

XV. Regulatory Information

Title IV Hazard Classes:

Fire Hazard: NO

Reactive Hazard: NO

Release of Pressure: NO

Acute Health Hazard: NO

Chronic Health Hazard: NO

Toxic Substances Control Act (TSCA): All components are included in the inventory are ONLY of natural origin.

Other Regulations:

None of the chemicals in this product is contained.

XVI. Other Information

Belarus Ministry for Emergency Situations Hazard Ratings – BMES(R):

Health Hazard: 0

Flammability: 0

Reactivity: 0

Key Legend Information:

NA – Not Applicable

ND – Not Determined

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