



**Production**

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

**MSDS Date:** 15-01-2025

**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 CO<sub>2</sub>  
**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 (H<sub>2</sub>O):** 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:** LD<sub>50</sub>: 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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