

**MATERIAL SAFETY DATA SHEET
Peat fuel pellets**

Document created: June, 2012

1. THE NAME (TITLE) AND COMPOSITION OF THE SUBSTANCE

The name (title) of the substance: Peat fuel pellets

The title of the substance on the label: Peat fuel pellets

Synonym: pellets for fuel, peat pellets, pellets

The composition of the substance:

Peat pellets are compressed to cylindrical shape pieces that have dark-brown, glossy or matte surface. They are produced by pelletizing of dried to specific moisture content peat. Milled upland peat without any additional binders is used in manufacturing.

2. DETAILS OF THE MANUFACTURING COMPANY OR SUPPLIER

The manufacturer and supplier: ZAO ENBIMA Group

The address: 22B, Stroitel'naya St., Gus-Khrustalny, the Vladimir region 601551;

Phone/fax: (49241) 2-9974

e-mail: info@enbima.ruwww.enbima.ru**3. HAZARDS**

The degree of impact of the dust formed during utilization of peat pellets on the human body falls under the Hazard Class IV according to Russian National Standard (GOST) 12.1.007 (low hazard substances). Maximum concentration of dust allowed in the working area of industrial premises is 6 mg/m³.

4. FIRST AID

Peat fuel pellets do not pose hazard to human health or environment in the process of utilization.

No medical aid is required if used in a proper way. If the symptoms persist, seek medical attention.

Effects of contact with peat dust on human health:

If peat dust contaminates skin, wash the affected area with soap and water.

In case of contact with eyes, rinse eyes with plenty of water.

If swallowed, rinse mouth with water; take slurry of activated charcoal and water (2-3 pills per 1 glass of water).

Antidotes are unknown. Treatment is symptomatic.

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Processing and storage facilities must be equipped with fire extinguishing agents required for the elimination of local fires.

The agents to be used to suppress fire (water, powder, or other fire-extinguishing agents) are selected according to the fire type.

It is forbidden to smoke or use open fire in the premises where peat pellets are stored.

6. PREVENTING EMERGENCY SITUATIONS

Eliminate the source of ignition. Allow plenty of fresh air to ventilate the technological and commercial premises to prevent harmful effect on eyes, skin and respiratory system. Use Personal Protective Equipment (PPE).

Report the fire to the Fire Department. All employees should be instructed on self-help and mutual aid measures used in emergency situations.

7. HANDLING AND STORAGE

Handling. When working with peat fuel pellets, it is prohibited to eat, drink, smoke or remove Personal Protective Equipment. These activities are permitted only during breaks and only in the specially equipped areas after the thorough washing of hands and rinsing of the mouth and nose cavities.

Fire prevention. The finished and packaged products should be stored far from the sources of ignition. It is prohibited to smoke or use open fire in the facilities where ready products are stored.

Storage. Peat pellets should be stored in dry and well-ventilated warehouses or under a canopy according to the product specification and in compliance with the requirements of fire safety. An easy access of vehicles to the storage zone should be made available.

Transportation. Any type of transport can be used. Measures to ensure safety of the packaging and the product should be taken. Transportation requirements specified for the type of transport engaged should be observed.

8. SAFETY OF THE PERSONNEL

The personnel engaged in the production, packaging and utilization of peat fuel pellets should wear Personal Protective Equipment: gowns, aprons, gloves, safety goggles for eye protection and, whenever necessary, respirators. All works should

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be guided by the requirements of Sanitary Rules and Norms (SanPiN) 1.2.1077-01, SanPiN 1.2.1077-02, SanPiN 1.2.13307-03, as well as the norms of personal hygiene. Upon completion of the work, it is necessary to wash hands thoroughly with soap and take a shower. It is forbidden to eat and smoke at the workstation. All new employees should be familiarized with the safety instructions at the beginning of new assignment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (appearance): peat pellets are shaped as cylinders with diameters that can vary from 6.0 to 14.0 mm, depending on the size of the holes of the matrix utilized in production; the pellets have dark brown color and a glossy or matte finish.

Smell: absent

Bulk density of pellets - 550-700 kg/m³;

Mass fraction of total moisture - 10-14%;

Ash content - 3.0-6.0%;

Mass fraction of total sulfur - 0.15%

Lower heating value - 4200 kcal / kg;

Higher heating value - 5500 kcal / kg;

The ignition temperature - 180-200 ° C.

10. STABILITY AND REACTIVITY

There are no special requirements for the following parameters, which are known to provoke dangerous reactions: temperature, light regime, shocks, etc.

Substances whose presence can cause a dangerous reaction with peat pellets have not been identified.

There is no danger of exothermic reaction.

The warranted storage life of the packaged peat pellets is 12 months from the date of manufacturing.

Shelf life is unlimited.

11. TOXICITY

There is no evidence that contact with peat fuel can cause a negative effect on human health or that peat fuel is toxic.

The content of traces of heavy metals and arsenic in pellets does not exceed the Maximum Acceptable Concentration (MAC) / Interim Maximum Allowable Concentration (IMAC).

Peat fuel pellets are radiation safe and can be used without restrictions.

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Peat pellets and the raw materials utilized in their manufacturing are considered to be non-hazardous to human life or health or the environment.

13. RECYCLING AND DISPOSAL OF WASTE (RESIDUE)

The peat used in the production of the pellets as the main raw material is deemed to be non-hazardous to the environment.

The containers used in the production are disposed of in garbage cans and hauled to the disposal site.

14. PRODUCT TRANSPORTATION

Different modes of transport can be engaged in peat pellets shipment. The transportation regulations applicable to the mode of transport used are to be observed. It is prohibited for unauthorized personnel to be present in the vehicle while the product is being transported.

Transportation is to be carried out in accordance with ADR (for road), RID (rail transport), IATA (air transport) and IMO (for sea transport).

ADR - The substance is not classified as dangerous according to the norms of ADR;

RID - The substance is not classified as dangerous according to the norms of RID;

ADNR - The substance is not classified as dangerous as per the norms of ADNR;

(IMDG) International Maritime Dangerous Goods Code. - This material is not classified as dangerous according to the Directive on Hazardous for International Maritime Goods.

IMO - This substance is not classified as dangerous according to the norms of IMO;

IATA - This material is not classified as dangerous according to the Directive of the International Air Transport Association.

15. INTERNATIONAL AND DOMESTIC LEGISLATION

The information, placed on the product label (Peat fuel pellets) fully meets the requirements of GOST R 51121-97 *Non-Food Products. Information for the Consumers. General Requirements.* and the Law No. 2300-1 of 02.07.1992 *On Protection of Consumers' Rights.*

The conditions of production must meet the requirements of GOST 12.3.002, GOST 12.2.003 and GOST 12.1.030. Workplaces must be equipped in accordance with the requirements of GOST 12.2.032 12.1.030 and GOST, GOST 12.2.033.

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Fire safety of the production facilities is subject to the regulations of GOST 12.1.004. The premises should be equipped with fire extinguishing agents as per GOST 12.4.009.

General requirements for electrical safety at work are outlined in GOST 12.1.019. The content of harmful substances in the working area should be controlled in accordance with GOST 12.1.016, 52.18.595 Regulatory Documents (RD) 52.18.595, Norms of Hygiene (GN) 2.2.5.1313-03, and GN 2.2.5.1314-03.

All workers should be instructed on safety requirements in accordance with GOST 12.0.004.

The present Material Safety Data Sheet has been drafted in accordance with GOST 50587-93, (Material) Safety Data Sheet.

16. ADDITIONAL INFORMATION

The information contained in the present Material Safety Data Sheet is up-to-date and accurate as of the date the document was created. As the use of information provided and conditions of use of the product cannot be controlled by ZAO ENBIMA Group, it is up to the consumer to define the conditions for safe use of the product.

Developed by:

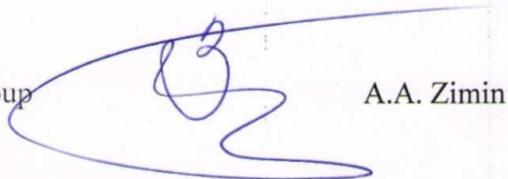
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Date: "21" ноя 2012

APPROVED:
General Director of ZAO ENBIMA Group

Date: "21" ноя 2012


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