



SUBSTANCE INFORMATION SHEET

Piasek żużlowy

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[PREPARED IN ACCORDANCE WITH ARTICLE 32 OF REGULATION NO 1907/2006 (REACH)]

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

EC No. 931-322-8 Ashes (residues), coal

REACH Registration No. **01-2119491179-27-0184**

Synonyms **Piasek żużlowy**

Trade names Piasek żużlowy / Bottom ash aggregate

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction for uses without high safety requirements, in accordance with the PN-EN 13242+A1:2010 standard

Use advised against: Not appropriate

1.3 Details of the supplier of the safety data sheet

[Supplier (manufacturer/importer/downstream user/distributor)]

[For producers: Information according to info given in registration.]

Producer/supplier:	Bioeko Grupa TAURON sp. z o.o.		
Street/P.O. Box:	Energetyka 15		
Nat. code/postcode, place:	43-603 Jaworzno		
Phone:	+48 15 877 64 85	Email:	sekretariat.bioeko@tauron.pl

Piasek żużlowy do not possess hazardous properties. To avoid confusion no Safety Data Sheet (SDS) is prepared. The information given by this Substance Information Sheet (SIS) follows by structure and content Annex II of REACH-regulation (EC No 1907/2006 and amendment 453/2010) regarding the preparation of a SDS. Special Information e.g. PNECs (predicted no-effect level) and DNELs (derived no-effect level) left out in the SIS is available in the Chemical Safety Report (CSR).

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Responsible Person for SIS	Anna Frystacka	Tel:	+48 516 116 473
		Email	anna.frystacka@tauron.pl

1.4 Emergency telephone number

Bioeko Grupa TAURON sp. z o.o. Tel. open 8:00 a.m. - 4:00 p.m. (Monday - Friday) +48 696 433 508 In case of emergency, call 112

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to criteria of Regulation (EC) 1272/2008 the substance is not classified as hazardous

2.2 Label elements

According to criteria of Regulation (EC) 1272/2008 the substance does not need to be labelled

2.3 Other hazards

No special remarkable hazards, the substance is not classified as hazardous but due to its physical form - dust, it may cause mechanical irritation

2.4 Other information

- Substance does not require an authorization under the provisions of Title VII.
- No dissuaded applications under the provisions of Title VIII were identified.
- No special remarkable hazards, the substance is not classified as hazardous but due to its physical form - dust, it may cause mechanical irritation
- Substance does not contain nanoforms, microparticles of synthetic polymers
- Substance does not meet the criteria for PBT or vPvB according EC/1907/2006 Annex VIII

2.5. Fire hazards

Substance is not combustible

2.6 Other information

Substance does not require an authorization under the provisions of Title VII.
No dissuaded applications under the provisions of Title VIII were identified.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Nr WE:	931-322-8
Nazwa WE	Ashes (residues), coal

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Purity:	100 % (UVCB)
Synonyms:	see 1.1

Additional information

Substance is a UVCB-substance (unknown or variable composition, complex reaction products or biological materials) composed of glassy/amorphous material and mineral phases.

3.2 Mixtures

Not applicable

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation	No particular measures required.
- Ingestion	Drink plenty of water (in case you feel unwell consult doctor).
- Skin contact	Dust has to be rinsed with water (if irritation persists contact doctor).
- Eye contact	Dust has to be rinsed with water (if irritation persists contact doctor).
Notes for the doctor	No allergic reactions known, mineral dust.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Mechanical irritation might occur. No acute or delayed symptoms identified.
Ingestion	
Skin contact	
Eye contact	

4.3 Indication of any immediate medical attention and special treatment needed

Not appropriate

Section 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- The substance is not combustible. Use any means suitable for extinguishing surrounding fire.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire fighters

Not appropriate

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Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid creating airborne dust wherever possible
see 6.4

6.2 Environmental precautions

Avoid creating airborne dust wherever possible
see 6.4

6.3 Methods and material for containment and cleaning up

Vacuuming or wet mechanical cleaning is recommended to avoid the spread of dust. Sweep up and place in tanks for recovery or disposal.

6.4 Reference to other sections

- for personal protection see section 8
- for waste disposal see section 13

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- avoid creating airborne dust wherever possible
- do not eat, drink and smoke in working areas
- wear appropriate protective clothing (e.g. goggles, gloves)
- avoid prolonged skin contact
- wash hands after work

7.2 Conditions for safe storage, including any incompatibilities

In case of open storage, the respective space requirements for places of the storage of coal combustion products and aggregates must be followed.

7.3 Specific end use(s)

No specific uses

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

According to the Regulation of the Minister of Labor and Social Policy on highest permissible concentrations and intensities of factors harmful to health in the work environment (Dz.U. 2018 poz. 1286):

Dust not classified due to toxicity:
Inhalable fraction MAC 10 mg/m³

[The exposure limit values for the inhaled dust in the current worker protection legislation in the European Union (3-10 mg/m³) should be applied. (CSR – Discussion , p. 79)]

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8.2 Exposure controls

- Appropriate engineering controls

For closed cycles	ensure the efficiency of dedusting installations
For semi-closed and open cycles	provide sufficient ventilation or wetting the ash

- Individual protection measures

- Eye / face protection	Safety goggles / face shield if potential for contact is existing
- Skin (hand) protection	Gloves if potential for contact is given; further measures for body protection are usually not necessary
- Respiratory protection	No special protective equipment required if dust occurs constantly – use a dust mask

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical

Parameter	value/comment	Unit
Form	fine grained powder	-
Colour	greyish black to brown	-
Odour	no	-
Density	typical (2.0 – 2.6)	g/cm ³
Bulk density	typical (0.8 – 1.2)	g/cm ³

- Chemical

Parameter	value/comment	unit	method
Water solubility (20°C)	typical (0.7 – 1.4)	g/l	

All other parameters as given in Annex 2 of REACH-regulation are evaluated as not applicable.

9.2 Other information

Does not apply

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazards

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Not applicable as material is not hazardous and no reactivity hazards are to be expected
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10.4 Conditions to avoid

No special requirements

10.5 Incompatible materials

There are no know materials that should be excluded from contact with the substance

10.6 Hazardous decomposition products

None

Section 11. TOXICOLOGICAL INFORMATION

11.1 Potential health effects	substance is not classified as hazardous
11.2 Acute toxicity oral, inhalation, dermal	no acute toxicity
11.3 Irritating effect Skin and eye irritation	not irritating
11.4 Corrosive effect Skin and eye corrosion	not corrosive
11.5 Sensitisation	not sensitising
11.6 Repeated dose toxicity	no repeated dose toxicity
11.7 Germ cell mutagenicity	not mutagen
11.8 Carcinogenicity	no carcinogenetic effects are known
11.9 Reproductive toxicity	no reproduction toxicity
11.10 STOT – single exposure	not toxic with single exposure
11.11 STOT – repeated exposure	not toxic with repeated exposure
11.12 Aspiration hazard	no known significant effect or critical hazards
11.13 Endocrine disrupting properties	no known significant effect or critical hazards

For more detailed information to toxicological aspects Chemical Safety Report (CSR)

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity	<ul style="list-style-type: none"> - the substance is not classified as hazardous - no aquatic toxicity - no toxicity in sewage treatment plants
12.2 Persistence and degradability	<ul style="list-style-type: none"> - not applicable: inorganic substance - neither photo- or chemical degradation, nor biodegradation is expected
12.3 Bioaccumulative potential	<ul style="list-style-type: none"> - not applicable: inorganic substance - significant bioaccumulation is not expected
12.4 Mobility in soil	<ul style="list-style-type: none"> - moderately mobile in soil - adsorption to soil particles is possible - leaching of main compounds is not expected
12.5 Results of PBT and vPvB assessment	<ul style="list-style-type: none"> - no PBT and vPvB properties
12.6 Endocrine disrupting properties	<ul style="list-style-type: none"> - no known significant effect or critical hazards (Environment)
12.7 Other adverse effects	<p>No other adverse effects are known</p> <p>Due to the CLP system the substance has not to</p>

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	be labelled as dangerous for the environment. On the basis of existing data about the elimination, degradation and bioaccumulation potential longer term damage to the environment is unlikely.
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For more detailed information see Chemical Safety Report (CSR)

Section 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No further special treatment methods are necessary (see 6.3).

Substance in uncontaminated and unprocessed form is not classified as hazardous waste.

Apply the relevant waste management.

For the packaging of this substance, use the classification and handling methods as for packing waste (Group 15 01).

Section 14. TRANSPORT INFORMATION

Not a dangerous good according to the regulations ADR, IMDG and RID

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UE:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (as amended)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

PL:

- Act on chemical substances and their mixtures of February 25 2011 (Dz. U.2011Nr 63, poz.322 as amended)
- Regulation of the Minister of Health of August 10 2012 on the criteria and methods for the classification of chemical substances and their mixtures (Dz. U. 2012. 1018)
- Act of June 26 1974, the Labor Code (consolidated text: Dz.U.98.21.94; as amended)
- Regulation of the Minister of Labor and Social Policy of September 26 1997 on general provisions on occupational health and safety (Dz.U.129.844; as amended)

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- Regulation of the Minister of Labor and Social Policy on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Dz.U. 2018 poz. 1286)

15.2 Chemical safety assessment

Chemical safety assessment has been performed. The substance does not meet the criteria for classification as a hazardous one, according to the Regulation (EC) No. 1272/2008.

16. OTHER INFORMATION

The information contained in this substance information sheet should be considered only as an aid to safe application, as well as transport, distribution and storage. The sheet is not a product quality certificate. The information contained in the sheet concerns only the described substance and cannot be transferred on to similar substances. The author is not responsible for improper use of the information contained in the sheet.

Date of update: 13.11.2025r.

Updated items: 2.3; 11; 12