

Substance Information Sheet (SIS) for JS_Ashes (residues), coal			
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## 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 nr	01-2119491179-27-XXXX
Synonyms	Fly Ash; Pulverized Fuel Ash (PFA); Ash from burning hard coal, where applicable with co-combustion of secondary fuels
Trade names	e.g. steament, steafill, Bergkament, Wilhament, TRIAmant, Betoment, Baustofill, Warnow-Füller, Flugasche RL

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

Relevant identified uses:	Mineral raw material and construction material in cement, bound application in cement – (mortar, concrete), lime – ( ), ceramic – (brick, refractory), bituminous – (filler) and organic (filler for polymere rubber) based materials and unbound applications (road construction, fill, metallurgy)
Use advised against:	not appropriate

#### Note:

This substance does not possess hazardous properties and does not fall under REACH article 31 criteria. For this reason, it does not legally require a Safety Data Sheet (SDS) under REACH.

The information in this Substance Information Sheet (SIS) are provided in compliance to REACH article 32. The structure and content of the present document reflects the main elements from Annex II of REACH-regulation (Regulation EC No 1907/2006 and amendment by Regulation EU 878/2020) for a more effective communication, but this document shall not be considered a SDS under REACH article 31 and the related legal requirements do not apply.

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### 1.3 Details of the supplier of the substance information sheet

Producer/supplier:	EP Power Minerals GmbH
Street/P.O. Box:	Europaallee 1
Nat. code/postcode, place:	46047 Oberhausen / Germany
Phone:	+49 (0) 208 – 20730 - 0
Fax:	
Responsible Person	Dipl.-Ing. Martin Pielke
Phone:	+49 (0) 208 – 20730 - 219
Fax	
Email	m.pielke@ep-pm.com

### 1.4 Emergency telephone number

National:	See local listing	Emergency number:	See local listing
Supplier:	8:00 – 17:00	Tel:	+49 (0) 208 - 20730 219
	8:00 – 17:00	Mobil:	+49 (0) 173 – 5344980

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

- According to criteria of Directive EC 67/548/EEC and Regulation (EC) 1272/2008 the substance is not classified as hazardous

### 2.2 Label elements

- According to criteria of Directive EC 67/548/EEC and Regulation (EC) 1272/2008 the substance does not need to be labelled

### 2.3 Other hazards

- no special remarkable hazards  
- substance does not contain nanoforms  
- substance does not meet the criteria for PBT or vPvB according EC/1907/2006 Annex XIII

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

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

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Purity:	100 % (UVCB)
Synonyms:	see 1.1

### Additional information

Substance is a UVCB-substance composed of glassy/amorphous material and mineral phases. Its chemical composition is preferably analyzed as elements and reported as the mass percent of each equivalent oxide, e. g. SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, CaO.

### 3.2 Mixtures

not applicable	
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## 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, eye bath (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

- skin and eye irritation might occur
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### 4.3 Indication of any immediate medical attention and special treatment needed

- not appropriate
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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

- The substance is not combustible. Use any means suitable for extinguishing surrounding fire.
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### 5.2 Special hazards arising from the substance or mixture

- none
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### 5.3 Advice for fire fighters

- not appropriate

## 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

- Spills: Sweep together and containerize for reclamation or disposal. Dry vacuum or wet cleaning with mechanical devices may be used to avoid dust dispersal.

### 6.4 Reference to other sections

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

## 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

- no special requirements

### 7.3 Specific end use(s)

- not applicable

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

- The current occupational exposure limits for alveolar and respirable dust in the country of use shall apply (e.g. Germany: 1,25 mg/m<sup>3</sup> and 10 mg/m<sup>3</sup>).

### 8.2 Exposure controls

- **appropriate engineering controls**

- for closed cycles	care for dedusting installations
- for semi-closed or open cycles	care for dedusting installations; care for sufficient ventilation or wetting the ash

- **individual protection measures**

- Eye / face protection	use of goggles is recommended if airborne dust occurs
- Skin (hand) protection:	Gloves if regular contact; further measures for body protection are usually not necessary
- Respiratory protection	no special protective equipment required; if dust occurs constantly – use respiratory dust mask

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- **Physical**

Parameter	value/comment	unit	method
Form	fine grained powder	-	visual
Colour	greyish black to brown	-	visual
Odour	no	-	-
Density	2.3 (2.0 – 2.6)	g/cm <sup>3</sup>	EN 1097-6
bulk density	1.0 (0.8 – 1.2)	g/cm <sup>3</sup>	EN 1097-3

- **Chemical**

Parameter	value/comment	unit	method
pH	< 12,5	-	(1:10; 20°C)
Water solubility (20°C)	1 (0.7 – 1.4)	g/l	(1:10)

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

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## 9.2 Other information

- not applicable

## 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

### 10.4 Conditions to avoid

- no special requirements

### 10.5 incompatible materials

- no incompatible materials known

### 10.6 hazardous decomposition products

- not applicable as no hazardous properties

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Potential health effects

a) Acute toxicity	no acute toxicity
b) Skin corrosion/irritation	not corrosive/irritating
c) Serious eye damage/irritation	not irritating
d) Respiratory or skin sensitisation	not sensitising
e) Germ cell mutagenicity	not mutagen
f) Carcinogenicity	no carcinogenetic effects are known
g) Reproductive toxicity	no reproduction toxicity
h) STOT – single exposure	not toxic with single exposure
i) STOT – repeated exposure	not toxic with repeated exposure
j) Aspiration hazard	no known significant effect or critical hazards

### 11.2 Information on other hazards

11.2.1 Endocrine disrupting properties	no known significant effect or critical hazards (Health)
11.2.2 Other information	not available

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

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## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	- the substance is not classified as hazardous - no aquatic toxicity - no toxicity in sewage treatment plants
<b>12.2 Persistence and degradability</b>	- not applicable: inorganic substance - neither photo- or chemical degradation, nor biodegradation is expected
<b>12.3 Bioaccumulative potential</b>	- not applicable: inorganic substance - significant bioaccumulation is not expected
<b>12.4 Mobility in soil</b>	- Moderately mobile in soil Adsorption to soil particles is possible - Leaching of main compounds (SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> ) is not expected
<b>12.5 Results of PBT and vPvB assessment</b>	- no PBT and no vPvB properties
<b>12.6 Endocrine disrupting properties</b>	- no known significant effect or critical hazards (Environment)
<b>12.7 Other adverse effects</b>	No other adverse effects are known According to the CLP system the substance has not to 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.

For more detailed information see Chemical Safety Report (CSR)

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Ashes (residues), coal have to be disposed off by national regulations for non-hazardous wastes; no further special treatment methods are necessary	
Waste codes / waste designation according to EWC	
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 02	coal fly ash
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16

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#### 14. TRANSPORT INFORMATION

14.1 UN number or ID number	No dangerous goods
14.2 UN proper shipping name	No dangerous goods
14.3 Transport hazard class(es)	No dangerous goods
14.4 Packaging Group	No dangerous goods
14.5 Environmental hazards	No
14.6 Special precaution for user	No dangerous goods according transport regulations
14.7 Maritime transport in bulk according to IMO instruments	Not dangerous to environment acc MARPOL and IMSBC code

#### 15. REGULATORY INFORMATION

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

ashes (residues), coal do not require any labelling
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##### 15.2 Chemical safety assessment

Ashes (residues), coal do not require any labelling
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##### 15.3 Water Pollution Class

not hazardous (Annex 3)
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#### 16. OTHER INFORMATION

<p>The Information in this substance information sheet (SIS) describes the safety requirements of the product and is based on the present knowledge. The information is intended to give you advice about the safe handling of the product named in this SIS, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this SIS is not necessarily valid for the new made-up material.</p>
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