



Substance Information Sheet (SIS) for JS_Ashes (residues), coal			
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Hard coal fly ash	24.08.2014	24.08.2014	1 / 7

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-XXXX
Synonyms:	Fly ash for concrete; Pulverized fuel ash (PFA); Ash from burning hard coal, where applicable with co-combustion of secondary fuels
Trade names:	EFA-Füller [®] , BM-Füller [®] , Microsit [®] , Afamid [®]

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, cement- (mortar and concrete) lime- (base courses), ceramic- (bricks, refractory flutings), asphalt- (filler) and organic- (filler in plastics, gum, . . .) bound applications or unbound applications e.g. road construction, earthworks, metallurgy
Use advised against:	not appropriate

Note

Ashes registered under "JS_Ashes (residues), coal" 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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1.3 Details of the supplier of the substance information sheet

Producer / Supplier:	BauMineral GmbH
Street / P.O. Box:	Hiberniastraße 12 / Postfach 11 63
National code / postcode, place:	45699 Herten
Phone:	+49 (0)2366 509 0
Fax:	+49 (0)2366 509 285
Email see:	baumineral@baumineral.de

1.4 Emergency telephone number

Office hours	Emergency number
Mo. - Th.: 07:30 - 16:00	Telephone: +49 (0)2366 509 211
Fr.: 07:30 - 15:00	Mobil: +49 (0)170 575 10 57

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 labeled.

2.3 Other hazards

No special remarkable hazards

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

EC no.:	931-322-8
EC name:	Ashes (residues), coal
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. SiO₂, Al₂O₃, Fe₂O₃, CaO.

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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

4.3 Indication of any immediate medical attention and special treatment needed

Not appropriate

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

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.
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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

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

The current occupational exposure limits for respirable dust in the European Union:	(3-10 mg/m ³) should apply
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8.2 Exposure controls

Appropriate engineering controls	
For closed cycles:	care for dedusting installations
For semi-closed and 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

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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Parameter	Value / Comment	Unit	Method
Physical			
Form	fine grained powder	-	visual
Color	grayish black to brown	-	visual
Odour	no	-	-
Density	2.3 (2.0 – 2.6)	g/cm ³	EN 1097-6
bulk density	1.0 (0.8 – 1.2)	g/cm ³	EN 1097-3
Chemical			
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.

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
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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

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11 TOXICOLOGICAL INFORMATION

11.1 Potential health effects	The substance is not classified as hazardous.
11.2 Acute toxicity: oral, inhalation, dermal	No acute toxicity
11.3 Irritation: Skin, eye irritation	Not irritating
11.4 Corrosivity	Not corrosive
11.5 Sensitization	Not sensitising
11.6 Repeated dose toxicity	No repeated toxicity
11.7 Mutagenicity	Not mutagen
11.8 Carcinogenicity	No carcinogenetic effects are known
11.9 Toxicity to reproduction	No reproduction toxicity

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

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 (SiO₂, Al₂O₃) is not expected
12.5 Results of PBT and vPvB assessment	<ul style="list-style-type: none"> - No PBT and vPvB properties
12.6 Other adverse effects	<ul style="list-style-type: none"> - No other adverse effects are known - According to the CLP system the substance has not to be labeled 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).

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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

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

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

Ashes (residues), coal do not require any labeling

15.2 Chemical safety assessment

Ashes (residues), coal do not require any labeling

15.3 Water Pollution Class

Not hazardous

16 OTHER INFORMATION

The Information in this safety data sheet 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 safety data sheet, 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 safety data sheet is not necessarily valid for the new made-up material.