

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
Synonyms:	boiler slag
Norm:	DIN EN ISO 11126-4
Trade names:	TESTRA®

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

Relevant identifies uses:	Mineral raw material and construction material in cementitious (mortar, concrete) or ceramical (mineral wool) bound and unbound applications (e.g. road construction, structural fill, drainage, blasting grit)
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).

1.3. Details of the supplier of the data sheet

Producer/supplier:	M + E Tebbe-Neuenhaus GmbH & Co.KG
Street / P.O. Box:	Gahlener Str. 91 / Postfach 20 03 16
Postcode, place:	46244 Bottrop-Kirchhellen
Phone:	+49 (0) 20 45 – 70 77
Fax:	+49 (0) 20 45 – 48 78

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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 is not classified as hazardous

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

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

Skin and eye irritation might occur

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

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

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 respirable dust in the European Union (3-10 mg/m³) should apply. These limits will be met during handling of the supplied granulations.

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 material
individual protection measures	
Eye/face protection:	use of safety goggles is recommended if dust occurs
Skin (hand) protection:	Gloves if potential for contact is given;
Respiratory protection:	if dust occurs constantly – use respiratory dust mask

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	value/comment	unit	method
Physical properties			
Form	coarse ashes, normally	-	visual
Colour	greyish black to brown	-	visual
Odour	none	-	-
Density	2,6 (2,2 – 7,6)	g/cm ³	EN 1097-6
Bulk density	1,3 (1,0 – 1,6)	g/cm ³	EN 1097-3
Chemical properties			
pH	< 12	-	(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

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10. Stability and reactivity

10.1. Reactivity

no reactivity hazards

10.2. Chemical stability

stabil under normal conditions

10.3. Possibility of hazardous reactions

Not applicable as material is not hazardous an 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	The substance is not classified as hazardous.
11.2. Acute toxicity	no acute toxicity
11.3. Irritation: skin, eye irritation	not irritating
11.4. Corrosivity	not corrosive
11.5. Sensitisation	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

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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
12.4. Mobility in soil	<ul style="list-style-type: none"> - 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 - Due 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.

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 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)

14. Transport information

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

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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

15.2. Chemical safety assessment

ashes (residues), coal do not require any labelling

16. Other information

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 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. Furthermore, the technical measures for occupational safety and health and the regulations of the employer's liability insurance association have to be observed.