

1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the substance or preparation**Trade name: **Bottom ash from coal combustion****1.2 Producer**

Producer/supplier:	Vliegasunie B.V.		
Street/P.O. Box:	P.O. Box 1072		
Nat. code/postcode, place:	NL 3430 BB Nieuwegein		
Phone:	+31 30 6069526	Fax:	+31 30 6069563
Emergency information:	Vliegasunie B.V.	Emergency number:	+31 30 6069526

2. Composition/information on ingredients

Term:	Bottom ash from hard coal-fired (PF) power plant furnaces		
Number of identification:	in terms of EEC regulations:		
CAS-No.:	68131-74-8	Ashes (residues)	
EINECS-No.:	268-627-4		
EWL:	10 01 01	Bottom ash from coal-fired power plants	
	10 01 15	Bottom ash from coal-fired power plants with co-combustion	
Chemical properties:	Main components: SiO₂, Al₂O₃, Fe₂O₃, CaO		
Hazardous contents:	None		
	remarks	Bottom ash is not hazardous according to the regulation on hazardous substances. This safety data sheet was compiled on a voluntary basis and will be distributed on request only.	

3. Hazards information

Description of hazards:	Not applicable
Special indications concerning hazards to human beings and environment:	Not applicable

4. First-aid measures

Global information:	No particular measures required
After inhalation:	No particular measures required
After skin contact:	Dust down and rinse
After eye contact:	Rinse with water
After ingestion:	Drink plenty of water and if symptoms persist seek medical attention

5. Fire-fighting measures

General information:	Bottom ash does not burn. Therefore the required fire-fighting measures are dependent on the other materials that are on fire. At a temperature of 1250°C the bottom ash starts to melt.
Suitable extinguishing agents:	All extinguishing agents are suitable
Unsuitable extinguishing agents:	None
Special exposure hazards caused by the material, its combustion products or gases:	None
Special protective equipment:	Not required

6. Accidental release measures

Personal precautionary measures:	Not applicable
Measures to protect the environment:	Not applicable
Method of cleaning/removal:	Remove mechanically: if the spillage is dry by means of vacuum cleaning, if it is wet by means of rinsing with water

7. Handling and storage

It's necessary to handle and store ashes in appropriate conditions.

7.1 Handling

References on safe handling:	Inhalation and eye contact must be avoided. If personal protective equipment is used it should comply with the safety requirements
References on fire and explosion prevention:	Not applicable

7.2 Storage

References on storage:	The emission of dust must be avoided Inhalation and eye contact must be avoided. If personal protective equipment is used it should comply with the safety requirements.
Requirements on storage place and containers:	Not applicable
References on storage with other materials:	Not applicable

8. Exposure controls/personal protection

General dust limit value	10 mg/m³	as inspirable dust (PM50)
Personal protective equipment:	Measures for general protection and industrial hygiene have to be met	
Respiratory protection:	The general maximum inspirable dust limit should not be exceeded. If high dust concentrations occur the use of a mask is advisable.	
Hand protection:	Not applicable	
Eye protection:	Not applicable	
Skin protection:	Not applicable	

9. Physical and chemical properties

Form:	granular	
Colour:	light to dark grey, brown	
Odour:	no	
Important Safety Parameters:		
	<u>value</u>	<u>unit</u>
pH – as delivered	not applicable	-
pH – in aqueous solution	< 12	-
Change of state:	not applicable	-
Density:	App. 2,3	g/cm³
Flammability	not applicable	-
Melting temperature:	> 1250	°C
Solubility:	< 1	g/l
T=20° C		

10. Stability and reactivity

Conditions to avoid:	No hazardous reactions are known
Materials to avoid:	No substances are known
Hazardous decomposition products:	None

11. Toxicological information

Acute, subacute/chronic toxicity:	Not toxic
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12. Ecological information

No environmental impact known

13. Disposal considerations

Bottom ash has to be disposed according to the national regulations for non hazardous wastes.

14. Transport regulations

Bottom ash has to be transported according to European and national regulations for non hazardous products (EU, OECD, green list,...)

15. Regulatory information

Labelling according to EU Directives
Not applicable

16. Other information

Above mentioned data are based on the today's knowledge. They shall describe our products regarding safety and safety requirements. It is not allowed to change the information in this safety data sheet nor to transfer the information to other products.

The information in this safety data sheet was compiled on a voluntary basis.

Remarks:

The information in this Safety Data sheet is based on the criteria given in 91/155/EEC.