

## 1. Identification of the substance/preparation and of the company/undertaking

### 1.1 Identification of the substance or preparation

Trade name: <b>Fly ash from coal combustion</b>
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### 1.2 Company/undertaking preparation

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

## 2. Composition/information on ingredients

Term:	<b>Fly ash from hard coal-fired (PF) power plant furnaces</b>		
Number of identification:	in terms of EEC regulations:		
CAS-No.:	<b>68131-74-8</b>	<b>Ashes (residues)</b>	
EINECS-No.:	<b>268-627-4</b>		
EWL:	<b>100102</b>	<b>Coal ash from coal-fired power plants</b>	
	<b>100117</b>	<b>Coal ash from coal-fired power plants with co-combustion</b>	
Chemical properties:	<b>Main components: SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, CaO</b>		
Hazardous contents:	<b>None</b>		
	<b>remarks</b>	<b>Coal fly 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.</b>	

## 3. Hazards information

Description of hazards:	<b>not applicable</b>
Special indications concerning hazards to human beings and environment:	<b>not applicable</b>

**4. First-aid measures**

Global information	<b>No particular measures required</b>
After inhalation	<b>Fresh air and if symptoms persists seek medical attention</b>
After skin contact	<b>Dust down and rinse</b>
After eye contact	<b>Dust has to be rinsed</b>
After ingestion	<b>Drink plenty of water and if symptoms persists seek medical attention</b>

**5. Fire-fighting measures**

Suitable extinguishing agents:	<b>all extinguishing agents are suitable</b>
Unsuitable extinguishing agents:	<b>None</b>
Special exposure hazards caused by the material, its combustion products or gases:	<b>none</b>
Special protective equipment:	<b>not required</b>

**6. Accidental release measures**

Personal precautionary measures:	<b>avoid creating airborne dust wherever possible</b>
Measures to protect the environment:	<b>not applicable</b>
Method of cleaning/removal:	<b>dry vacuum cleaning or cleaning with water</b>

**7. Handling and storage**

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

**7.1 Handling**

References on safe handling:	<b>respiratory protection measures to meet the regulations and use of appropriate tools:</b> – avoid inhalation – avoid eye contact
References on fire and explosion prevention:	<b>not applicable</b>

**7.2 Storage**

References on storage:	<b>respiratory protection measures to meet the regulations and use of appropriate tools:</b> – avoid inhalation – avoid eye contact
Requirements on storage place and containers:	<b>not applicable</b>
References on storage with other materials:	<b>not applicable</b>

**8. Exposure controls/personal protection**

Components with work-place related limit values to be monitored	
General dust limit value	
Value:	<b>10 mg/m<sup>3</sup> as inspirable dust (PM50)</b>
Personal protective equipment:	<b>Measures for general protection and industrial hygiene have to be met</b>
Respiratory protection:	<b>The general maximum inspirable dust concentration at the workplace has to be maintained. With high dust concentration use of a mask is advisable.</b>
hand protection	<b>not applicable</b>
eye protection	<b>not applicable</b>
skin protection	<b>not applicable</b>

**9. Physical and chemical properties**

Form:	<b>powder</b>	
Colour:	<b>light to dark grey</b>	
Odour:	<b>no</b>	
<b>Important Safety Parameters</b>		
	<b>value</b>	<b>unit</b>
pH – as delivered	<b>not applicable</b>	
pH – in aqueous solution	<b>&lt; 12,5</b>	<b>-</b>
Change of state:	<b>not applicable</b>	
Density:	<b>App. 2,3</b>	<b>g/cm<sup>3</sup></b>
Flammability	<b>not applicable</b>	
Melting temperature:	<b>&gt; 1250</b>	<b>°C</b>
Solubility: T=20° C	<b>&lt; 5</b>	<b>g/l</b>

**10. Stability and reactivity**

Conditions to avoid:	<b>no hazardous reactions are known</b>
Materials to avoid:	<b>no substances are known</b>
Hazardous decomposition products:	<b>None</b>

**11. Toxicological information**

Acute, subacute/chronic toxicity:	<b>not toxic</b>
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**12. Ecological information**

no environmental impact known

**13. Disposal considerations**

Fly ash has to be disposed by national regulations for non hazardous wastes.

**14. Transport regulations**

**According to European and national regulations (EWC, OECD- Green List, ..)**

**15. Regulatory information**

Labelling according to EU Directives

**Fly ash from hard coal-fired power plants is not to be labelled according to the Directive 67/548/EWG regarding classification, packing and labelling of hazardous materials (adapted to the state of the art by the Directive 93/21/EWG).**

**16. Other information**

The data rely on the today's conditions of our knowledge. They shall describe our products regarding safety requirements and therefore, they have not the same importance to ensure certain properties. 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 of this Safety Data sheet is based on the criteria's given in 91/155/EEC.