



MATERIAL SAFETY DATA SHEET
for Hazardous Substances
in compliance with
EEC-Directive 91/155/EEC
(ISO 11014:1994)

Pages : total 6, incl. this page
Version : English-1 / voids and replaces all previous versions
Date : 20-01-2006

1. Identification of the product and of the company

Trade name : Eurogrit

Product description : A grain-shaped material of aluminium silicate, to be used as a blast cleaning abrasive

CAS-Registry number : 68476-96-0

EINECS-Registry number : 270-708-4

Supplier / Manufacturer : Eurogrit b.v.
PO Box 184 – NL-3350 AD Papendrecht
Noordhoek 7 – NL-3351 LD Papendrecht
tel (+31) (0)78-6546770
fax (+31) (0)78-6449494

In case of emergency : NVIC - National Poisons Information Centre,
The Netherlands; tel. (+31) (0)30 -2748888 / to be
contacted only by physicians in case of
accidental poisoning or other incidents

2. Composition / information on ingredients

Hazardous ingredients : The product is not classified as hazardous, in compliance with existing legislation in The Netherlands on Environmentally Hazardous Substances and the EU Preparations and Substances Directive 67/548/EEC.

3. Hazards identification

Human health hazards : When used for the intended application and in compliance with the advice given by the supplier, the use of the material does not pose any special risks to human health.

Environmental hazards : When used for the intended application and in compliance with the advice given by the supplier, the use of the material does not pose any special hazards to the environment.

4. First aid measures

Symptoms and effects

- Inhalation : Coughing, in serious cases difficulty in breathing
- Eye contact : Irritation, pain
- Skin contact : None
- Ingestion : None
- General : None

Measures

- Inhalation : Fresh air
- Eye contact : Flush with clean, fresh water
- Skin contact : Flush with clean, fresh water
- Ingestion : -
- General : In case of doubt, always consult a physician

Special recommendations
to physicians and/or first aid workers : None

5. Fire-fighting measures

- Fire hazards : The material is not combustible
- Extinguishing media : Suitable : N/A
Not suitable : N/A
- Special precautions : None
- Personal protection : None

6. Accidental release measures

- Personal precautions : None
- Environmental precautions : None
- Cleaning up : Shovel up / collect and, if required, dispose of in compliance with locally applicable regulations and legislation.

7. Handling and storage

Handling

Technical measures	:	When using the material for the intended application - blast cleaning abrasive - always use the required personal respiratory protection equipment and take precautions against the release of abrasive dust.
Special precautions	:	None

Storage

Provisions / conditions	:	Store dry
Conditions to be avoided	:	None

8. Exposure controls / personal protection

Exposure	:	Inhalation of fine (abrasive) dust is possible MAC-value: TWA 8h (inhalable) = 10 mg/m ³ MAC-value: TWA 8h (respirable) = 5 mg/m ³
Exposure control	:	Adequate respiratory protection Approved dust filter / mask / helmet

Personal protection

- Inhalation	:	Dust filter, minimum class P 2 - depending on the surface to be treated, filter type P 3 or self-contained respiratory protection may be necessary.
- Eyes	:	Dust goggles, safety goggles, face shield and/or self-contained blast cleaning helmet
- Skin / hand	:	Tightly fitting safety work clothes - jacket and trousers or full protective suit, suitable safety gloves and boots
- Ingestion	:	None
- General	:	Hearing protection; strict workplace hygiene, especially in case of abrasive blast cleaning of surfaces with possibly toxic paint components

9. Physical and chemical properties

Physical state (20°C)	:	solid, granular material
Colour	:	dark brown to black
Smell	:	none
Acidity (pH value)	:	
- at 20 °C (10 g/l)	:	7
- at 50 °C (10 g/l)	:	7

Boiling point / boiling range	°C:	> 2000	
Melting point / melting range	°C:	> 1250	
Flash point	°C:	none	
Autoflammability	°C	none	
Explosive properties	%V/V:	lower level: N/A	upper level: N/A
Vapour pressure (20°C)	Pa:	none	
Vapour pressure (50°C)	Pa:	none	
Specific density (20°C)	kg/m ³ :	2,4 – 2,6 . 10 ³	
Relative density	kg/m ³ :	1,3 – 1,5 . 10 ³	
Solubility			
- in water	g/l:	not soluble	
- in other	g/l:	not soluble	
Partition coefficient n-octanol/water	:	LogP _{ow} : N/A	
Relative evaporation rate (butyl-acetate = 1)	:	N/A	

10. Stability and reactivity

Decomposition by heat	:	none
Hazardous decomposition products	:	none
Hazardous reactions	:	none
Materials to avoid	:	none

11. Toxicological information

Acute toxicity

- LD ₅₀ (rat, oral)	mg/kg:	> 5000 mg/kg
- LD ₅₀ (rat, dermal)	mg/kg:	> 5000 mg/kg
- LCL ₀ (rat, inh; 4 h)	mg/l:	
- Other	:	

Irritation

- Inhalation	:	slight irritation
- Eye contact	:	slight irritation
- Skin contact	:	none
- Ingestion	:	none

Chronic toxicity

- Affected organs : long-term exposure to fine dust above the MAC value can lead to pulmonary diseases
- Symptoms : decrease of lung capacity
- Other long-term effects : carcinogenicity: the product does not contain carcinogenic components, the product does not contain free crystalline quartz (volume: < 0,1 %)
radioactivity: the assessed radioactivity is well below the exemption limit of the Radiation Protection Decree 2002 in the (Dutch) Nuclear Energy Law.

12. Ecological information

- Starting point : information in this paragraph is based on the physical-chemical properties of the product
- Mobility : none
- Degradibility : not biologically degradable
- Bio-accumulative potential : none
- Aquatic toxicity : none
- Other eco-toxicity : during long-term contact with water, leaching of anions in insignificant quantities may occur

13. Disposal considerations

- Classification EURAL : 12 01 16*/12 01 17 (c)
- Other directions in respect of disposal as a waste product : For contaminated blast cleaning abrasive to be disposed of, the (Dutch) Ministerial Regulation for "not-cleanable abrasive" (18 December 1997) is applicable.

14. Transport information

- UN-number : none
- ADR/RID/ADNR : free / exempt
- ICAO/IATA : free / exempt
- IMCO/IMDG : free / exempt
- Proper shipping name : abrasive - coal slag

15. Regulatory information

Labelling

- Symbols	:	none
- R-phrases	:	none
- S-phrases	:	none
- Compulsory listing of compounds	:	none
Other legally compulsory designation(s)	:	none
Legally binding instructions for use	:	Local regulations to avoid development and diffuse spreading of dust during abrasive blast cleaning operations may be applicable and must in such case be observed.

16. Other information

The information in this Material Safety Data Sheet applies to the product described in this document and is published under the assumption that the product will be used in the manner and for the application as stated by the manufacturer / supplier. All data are based on the most recent information as known to us and are, if necessary, reviewed regularly. It is the user's own responsibility however, to take the precautionary measures listed in this document as well as those stemming from local regulations or legislation, and to ensure this information is complete and adequate for the proper use of this product. It is recommended to distribute the information in this Material Safety Data Sheet, if necessary in an abridged version or amended otherwise, to personnel and/or other interested parties.

We hereby reject and specifically decline any responsibility for the application and use of the product, as well as any consequences thereof, if not in compliance with our instructions and application advisory.

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