

Safety Data Sheet (in compliance with REACH Regulation EC 1907/2006)

Version: 002

Revision date: December 2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

Substance:	Alumina silicate
Synonyms:	
Registration number:	Pre Registration according to REACH
Trade/Brand names:	VASILGRIT

1.2 Use of the substance or preparation

Main applications of quartz sand (non exhaustive list)	Abrasives – Surface treatment
--	-------------------------------

1.3 Company undertaking identification

Company name:	SIBELCO FRANCE
Address:	Port Fluvial Sud de Chalon – 71380 Saint-Marcel - FRANCE
Phone number:	33 (0) 3 85 48 22 69
Fax number:	33 (0) 3 85 48 98 17
Email of responsible person for SDS:	adm.commercial.paris@sibelco.fr

1.4 Emergency telephone

Emergency telephone number:	33 (0) 3 85 48 22 69
Available outside office hours:	No

2. HAZARD IDENTIFICATION

Vasilgrit is an abrasive composed of grains of alumina silicate produced from coal slag from coal power station. It is inert and contains no free silica.

Precautionary Information:	<p>This product does give potential for generation of respirable abrasive dust during handling and use. Abrasive dust can affect health.</p> <p>Occupational exposure to respirable abrasive dust should be monitored and controlled.</p> <p>In case of dust inhalation, principal symptoms are cough and in particularly serious cases, the respiratory deficiency.</p>
-----------------------------------	--

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Chemical	EINECS	CAS	REACH Registr. N°	Classification EU (67/548/EC)
Alumina silicate (66 à 89 %) FE ₂ O ₃ : 7-9 % Ti O ₂ : 0-1 % Ca O : 5-7 % Mg O : 2-3 % K ₂ O + Na ₂ O : 4-5 % <i>Other metals or sulfates : marks if detected</i>		270-708-4	68476-96-0	n. d.	None

According to article 2 § (7) of REACH, this alumina silicate is pre-registered.

4. FIRST AID MEASURES

No actions are to be avoided, nor are there any special instructions for rescuers

Eye Contact:	Rinse with copious quantities of water immediately. In case of persistent irritation, consult a physician.
Ingestion:	Not hazardous. No special first aid measures necessary.
Inhalation:	No special first aid measures. Remove to fresh air and consult a physician if necessary.
Skin Contact:	Not hazardous. No special first aid measures necessary.

5. FIRE FIGHTING MEASURES

The product does not burn. No hazardous releases in case of fire.

Suitable extinguishing media	Not applicable
Extinguishing media which should not be used	Not applicable
Special exposure hazards	Not applicable
Special protective equipment for fire fighters	Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid airborne dust generation. In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment in compliance with national legislation. Remove and wash soiled clothes.
Environmental precautions:	No special requirements.
Methods for cleaning up:	In case of release on the workplace, wash with water or shovel up or vacuum.

7. HANDLING AND STORAGE
7.1 Handling

Avoid airborne dust generation during handling.

Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

In case of use for blasting abrasive operations, always wear protective equipment and take all recommended precautions to prevent the emission of dust abrasives.

If you require advice on safe handling techniques please contact your supplier.

7.2 Storage

Technical measures and precautions to take:

- Stored dry (without risk of reaction with water).
- No limit of storage either in bags, flexible container or silos.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Respect workplace regulatory provisions for all types of airborne dust (total dust and respirable dust).

The OEL (Occupational Exposure Limit) for total inert dust and respirable inert dust are respectively of 10 mg/m³ and 5 mg/m³ in France, measured as an 8 hour TWA (Time Weighted Average). There is no provision for respirable crystalline silica as the product contains no free silica.

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Control of occupational exposure may be achieved by enclosing plant and equipment and by ensuring good standards of ventilation in the workplace. Provide appropriate local exhaust ventilation in places where airborne dust is generated. Isolate personnel from dusty areas. In case of insufficient ventilation, wear suitable respiratory protective equipment. Maintain good hygiene standards and wash soiled clothing regularly.

Respiratory protection:	Wear appropriate respiratory protective equipment or a mask with filter at least type 2 or type 3 according to the surfaces to treat. It is good practice to conduct fit-testing when selecting respiratory protective equipment.
Hand protection:	Wear appropriate protective gloves.
Eye protection:	Wear safety goggles or safety glasses with side-shields and/or a full face protection where there is a risk of penetrative eye injuries.
Skin protection:	Wear clothes or overall protective equipment. Wear protective appropriate footwear.
General protection	Wear earplugs. The workplace must have a strict hygiene, particularly in case of blasting operations with toxic paints surfaces.

8.2.2 Environmental exposure controls

No specific requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Solid, granular, from dark brown to black
Odour:	Odourless

9.2 Important health, safety and environmental information

Density:	2,3 - 2,5 g/cm ³
Grain Shape:	Angular
Particle size range:	See technical data sheet
pH:	See technical data sheet
Water solubility:	No
Boiling point/boiling range:	Not applicable
Flash point:	Not applicable
Flammability (solid, gas):	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable
Vapour pressure:	Not applicable
Relative density:	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Viscosity:	Not applicable
Vapour density:	Not applicable
Evaporation rate:	Not applicable

9.3 Other information

Melting point:	1 250 °C
----------------	----------

10. STABILITY AND REACTIVITY
10.1 Conditions to avoid

No particular incompatibility

10.2 Materials to avoid

No particular incompatibility

10.3 Hazardous decomposition products

Chemically stable

11. TOXICOLOGICAL INFORMATION
11.1 Acute effects

Skin irritation:	Data shows no skin irritation effects.
Eye irritation:	Data shows no eye irritation effects.

- Lethal dose 50 by oral ingestion : > 5 000 mg/kg
- Lethal dose 50 by dermal application : > 5 000 mg/kg

11.2 Chronic effects

- Prolonged and/or massive exposure to respirable dust beyond the maximum permitted may cause lung damage.
- Symptoms: reduced respiratory capacity.
- Other long-term effects:
 - No carcinogenic components and no free crystalline silica (volume : < 0,1 %).
 - Radioactivity: not applicable

12. ECOLOGICAL INFORMATION

No specific adverse effects known. Not persistent, not bio accumulative.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products:	Can be landfilled in compliance with local regulations. The material should be buried to prevent dust being picked up by the wind. Where possible, recycling is preferable to disposal.
Packaging:	No specific requirements. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Recycling and disposal of packaging should be carried out by an authorised waste management company.

14. TRANSPORT INFORMATION

No special precautions are required under regulations relating to the transportation of dangerous goods.

15. REGULATORY INFORMATION

National Legislation	
	The Vasilgrit is not classified as dangerous, no labeling is required. However, measures of precautions must be taken to prevent formation and spread of dust during abrasive blasting operations.

16. OTHER INFORMATION
Third party materials:

Insofar as materials not manufactured or supplied by Sibelco France are used in conjunction with, or instead of Sibelco France materials, it is the responsibility of the customer himself to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Sibelco France Vasilgrit in conjunction with materials from another supplier.

Liability:

Such information is to the best of Sibelco France knowledge and belief accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

**Port Fluvial Sud de Chalon – 71380 SAINT-MARCEL - FRANCE
33 (0) 3 85 48 22 69 – 33 (0) 3 85 48 98 17**

**ACKNOWLEDGEMENT OF RECEIPT
SAFETY DATA SHEET**

Company:

Address:

Fax:

E-mail:

Declare to have received and read the safety data sheet in 16 points -Dated December 2009- concerning the product below.

VASILGRIT

DATE :

SIGNATURE :

STAMP :