Material Safety Data Sheet according to 93/112/EC

Trade Name: ***Calcium Silicate - Stonegrit***
Grades: **Coarse, Fine and Extrafine**
Issue date: **September 2003**

1. Chemical Product and Company Identification

Product Name: ***Calcium Silicate***
Supplier:
Hodge Clemco Ltd
Orgreave Drive
Handsworth, Sheffield
South Yorkshire ENGLAND
Phone Number: +44(0) 114 254 0600
Fax Number: +44(0) 114 254 0250

In case of emergency call:
Hodge Clemco Ltd
Phone Number: +44(0) 114 254 0600

2. Composition / Information on Ingredients

Chemical composition:			%
Iron Oxide (FeO)	**1**	**-**	**5**
Silica ($Si0_2$)	**45**	**-**	**55**
Aluminium Oxide Al_2O_3	**10**	**-**	**20**
Calcium Oxide CaO	**25**	**-**	**40**
Zinc Oxide (ZnO)	**0**	**-**	**0.15**
Copper Oxide (CuO)	**0**	**-**	**0.15**
Tin Oxide (SnO)	**0**	**-**	**0.15**
Nickel Oxide (NiO)	**0**	**-**	**0.15**
Lead Oxide (PbO)	**0**	**-**	**0.15**
Magnesium Oxide (MgO)	**2**	**-**	**4**
Manganese Oxide (MnO)	**0**	**-**	
Free Silica			**< 0.1**

Calcium Silicate is a synthetic mineral (slag by product from iron refining) produced by quenching in a water bath.

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3. Potential Health Hazards:

Eyes and throat can become irritated when exposed to too high concentrations. May cause skin irritation. There is no significant immediate health, physical or environmental hazards.

4. First Aid Measures

Inhalation:	**Remove to fresh air.**
Skin:	**Wash with water and soap.**
Eye:	**Immediately wash with plenty of water. If irritation persists, consult physician.**
Ingestion:	**No danger known, wash mouth out if appropriate.**
Advice to physician:	**No specific advice. Treat according to symptoms present.**

5. Fire Fighting Measures

Not applicable

6. Accidental Release Measures

Personal protection:	**Wear recommended personal protective equipment.**
Procedure for cleaning and recollection:	**Sweep up with a minimum of dusting. Collection in container, e.g. mini bulk bag or drum.**

7. Handling and storage

Handling:	**Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.**
Storage recommendations:	**Keep material in dry warehouse.**
Storage class:	**Not applicable.**

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8. Exposure controls / Personal protection

Engineering controls:	**Use adequate ventilation if dusty conditions prevail when handling the product. For storage and ordinary handling, general ventilation is adequate.**
Exposure guidelines, Dust:	**Total dust < 10 mg/m__ 8 hour TWA** **Respirable dust < 4 mg/m__ 8 hour TWA** **(no free $Si0_2$, all components are amorphous / non- crystalline).**
Respiratory protection:	**Blasting operators should use a CE marked or HSE approved shotblasting helmet. Ancillary workers should use a P2 dust respirator.**
Skin protection:	**Protective garments.**
Eye protection:	**Blasting helmet as above or goggles.**

9. Physical and Chemical Properties

Appearance:

Physical state:	**Solid, angular granules**
Colour:	**Grey/ light brown**
Odour:	**None**

Safety relevant data:

Melting point:	**1200$_o$C**
Lower explosion limit:	**Not applicable.**
Upper explosion limit:	**Not applicable**
Specific gravity:	**2.8 kg/dm_**
Bulk density:	**1300 kg/dm_**
Hardness:	**6-7 Mohs**
Solubility in water:	**Insoluble**

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicological Information

Immediate (acute) effects:	**Not applicable.**
Delayed (sub chronic and chronic) effects:	**Not applicable.**
Other data:	**Dust in concentration above the max. Recommended concentrations might cause irritation of eyes and throat and if inhaled over a prolonged period of time, constitute a health hazard.**

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12. Ecological Information

Not hazardous.

13. Disposal Considerations.

Discard as non-hazardous inert solid waste according to applicable local regulations. Special disposal procedures may apply to spent abrasive which may contain other materials derived from the substrate being cleaned.

14. Transport Information

Land Transport:

ADR	**Not regulated**
GGVS	**Not regulated**
RID	**Not regulated**
GGVE	**Not regulated**

Identification of the product:

Danger number	**UN nr:**

River / Canal-transport:

ADNR	**Not regulated**

Sea-Transport:

IMDG/GGVSea-code	**Not regulated**
EmS MFAG	

Air-transport:

ICAO/IATA-DGR	**Not regulated**

Other Information: **May be sent by mail.**

15. Regulatory Information

Danger symbols: **not applicable**

National regulations: **not applicable**

16. Other Information

The information contained in this document is to the best of our knowledge accurate, but since The circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which may result directly or indirectly from the use of such information.

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