

CDS CONSULTANTS
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MATERIAL SAFETY DATA

Calcium Silicate/ SF material

1. CHEMICAL CLASSIFICATION

Calcium silicate, amorphous glass composition, inert by-product of blast furnace operations.

2. APPEARANCE, ODOUR, ETC

Brown angular particles. Not soluble in water. No smell.

3. OCCUPATIONAL HEALTH DATA

**Threshold limit value
(TLV)**

10mg/m³ total dust

5mg/m³ respirable dust

These values are the same as for the inert dust.

4. DANGERS TO HEALTH

General: The dust type is characterised as inert mineral dust.

Inhalation/

Ingestion: Can irritate the respiratory tract and the lungs in the same manner as other types of inert dust.

Skin: No health risks other than general mechanical irritation as from other inert dust.

Eyes: As for skin.

5. FIRST AID

No need for special efforts other than general first aid necessary when handling/using other inert mineral dusts.

6. PROTECTIVE MEASURES

As for handling/using inert dust generally. Unnecessary inhalation should be avoided. In close spaces the general needs for ventilation /outlet encapsulation should be fulfilled. At specially dusty operations personal protection (breathing mask) should be used. Reference to Control of Substances Hazardous to Health Regulations 1988: Statutory instrument No. 1657 and Personal Protective Equipment at Work Regulations 1992: Statutory Instrument No. 2966

7. REACTIVITY AND SPECIAL PRECAUTIONS

The products are stable.

8. DESTRUCTION AND CLEANING

No special routines other than forethought and caution.

9. EMERGENCY PROCEDURES AGAINST LEAKAGES

When cleaning up grit with a high proportion of fines following leakage or spillage, avoid methods (brushing or blowing) which will whirl up dust into the air.

10. PHYSICAL DATA

Bulk density	1.35 kg/dm³
Melting point	approx 1300°C
Hardness	6(Moh's scale)
Shape	Angular, edged

11. INFORMATION PERTAINING TO FLAMMABILITY

No risks.

12. TRANSPORT, STORAGE AND HANDLING

Palletised material may be handled with a fork -lift truck. The pallets supplied are unsuitable for lifting with strop or slings. The pallets should not be stacked more than two high. Material supplied in bulk bags should be handled in accordance with the instructions on the bulk bag.

13. DISPOSAL

Spent abrasive must be disposed of in accordance with the Environmental Protection Act 1990 and the Control of Pollution Act 1974. While there are no special requirements for the disposal of the material as supplied, the spent abrasive will contain materials derived from the substrate being cleaned, which may be classed as Notifiable or Special under the above legislation.

14. APPROVALS

CDS calcium silicate abrasives are approved by the HSE under schedule 2 of the Control of Substances Hazardous to Health 1994.

15. CONTACT NUMBERS :-

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