

# **CDS CONSULTANTS**

**BWLCH TOCYN FARMHOUSE  
BWLCH TOCYN ABERSOCH  
PWLLHELI GWYNEDD LL53 7BN**

**TEL 01758 712245**

**FAX 01758 712014**

**MOBILE 07887 513614**

**E MAIL [Cdsconsultants@btinternet.com](mailto:Cdsconsultants@btinternet.com)**

## **MATERIAL SAFETY DATA SHEET**

### **Iron Silicate**

#### **1. CHEMICAL CLASSIFICATION**

**Iron silicate, amorphous glass composition, inert by -product of copper smelting processes.**

#### **2. APPEARANCE, ODOUR ETC.**

**Black angular particles. Not soluble in water. No smell.**

#### **3. OCCUPATIONAL HEALTH DATA**

**Threshold limit value  
(TLV)**

**10 mg/m<sup>3</sup> total dust**

**5 mg/m<sup>3</sup> respirable dust**

**These values are the same as for inert dust.**

#### **4. DANGERS TO HEALTH**

**General The dust type is characterized as inert mineral dust.**

**Inhalation /**

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

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

## 6. PROTECTIVE MEASURES

As for handling/using inert dust generally. Unnecessary inhalation should be avoided. In close spaces the general needs for ventilation/ou tlet encapsulation should be fulfilled.

At especially dusty operations personal protection (breathing mask) should be used. Reference to Control of Substance s 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 L EAKAGES

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

Specific gravity	3.3 kg/dm <sup>3</sup>
Bulk density	1.7 kg/dm <sup>3</sup>
Melting point	approx. 1150 °C
Hardness	7 – 8 (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 forklift truck. The pallets supplied are unsuitable for lifting with strops 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 d isposed 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 iron silicate abrasives are approved by the HSE under schedule 2 of the Control of Substances Hazardous to Health 1994**

#### **15. CONTACT NUMBERS**

<b>Telephone</b>	<b>01758 712245</b>
<b>Fax</b>	<b>01758 712014</b>
<b>Mobile</b>	<b>07887 513614</b>

**CHRIS STEVENSON  
CDS CONSULTANTS  
BWLCHTOCYN FARMHOUSE  
BWLCH TOCYN  
PWLLHELI  
GWYNEDD  
LL53 6TQ**