

## PRODUCT SAFETY DATA SHEET SANIBLANC® D

### Section 1 Identification of Substance and Company

1.1 **Product name:-** SANIBLANC® D  
**Other Names:-** Quicklime, Calcium Oxide, Burnt Lime.

1.2 **Address/Telephone:-**  
Lhoist UK Limited  
Hindlow, Buxton  
Derbyshire  
SK17 0EL  
Telephone: 00 44 (0)1298 768666

**In an Emergency:-** Dial 999  
For specialist advice (transport emergency)  
Tel: 00 44 (0)1298 768664

### Section 2 Composition/Information on Ingredients

Calcium Oxide CaO>97%. Small quantities of calcium carbonate, silica and oxides of magnesium, aluminium and iron and other trace elements.

Hazardous Ingredient – Calcium Oxide,  
R38, R41. See detail under section 15.

**CAS No:-** 1305-78-8

**EINECS No:-** 215-138-9

**UN No:-** 1910

### Section 3 Hazard Identification

Irritating to skin and eyes. Can cause burns in the presence of moisture. Risk of serious damage to eyes. Generates heat in the presence of water. It is advisable to ensure that eyewash facilities are available when Quicklime is handled.

### Section 4 First Aid Measures

#### 4.1 Emergency First Aid Procedures

**Skin** – An irritant; may cause burns in the presence of moisture. Wash affected area immediately with plenty of water for at least 20 minutes. Remove contaminated clothing.

**Eyes** – Irrigate **immediately** with water for at least 20 minutes. Causes painful irritation and may cause serious eye damage.

**SEEK MEDICAL ATTENTION – SPEED IS ESSENTIAL.**

**Inhalation** - Irrigate nose and throat with water for at least 20 minutes. Irritating to the respiratory tract. May cause inflammation of the respiratory tract. Remove from exposure and keep warm and at rest. It is advisable to seek medical attention.

**Ingestion** – Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting. Wash mouth with water and drink copious quantities of water. Seek medical advice if necessary.

#### **Further medical Treatment.**

Symptomatic if necessary. No known delayed effects. Prolonged or repeated contact with skin may result in severe irritation or dermatitis. Prolonged or repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis.

### Section 5 Fire Fighting Measures

SANIBLANC® D is non-combustible and inhibits the spread of flame.

No special fire fighting equipment is required. No extinguishing media or explosion hazard is identified. Substance reacts violently in the presence of water and generates heat. This may cause risk to flammable materials.

### Section 6 Accidental Release Measures

#### **Steps to be taken in the event of spillage or release.**

Contain the spillage. Keep the material dry if possible. Use vacuum suction unit, or shovel into bags. (Use protective clothing – see section 8) Cover area if possible to avoid unnecessary dust hazard. Avoid contamination of watercourses and drains.

Any spillage into watercourses must be alerted to the Environment Agency or other regulatory body.

### Section 7 Handling Ventilation and Storage

#### 7.1 Handling

Keep dust levels to a minimum. Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dust. Use barrier cream if necessary.

#### 7.2 Ventilation Requirements

Ventilation equipment should be used in buildings to ensure dust levels are kept below OES.

#### 7.3 Storage

Store in a cool dry place free from draughts. Minimise contact with air and moisture. SANIBLANC® D must not be allowed to come into contact with water nor stored in flammable structures. Keep separate from flammable materials and chemicals with which it might react. Bulk storage should be in purpose - designed bunkers or silos.

Product in bags should be stored separately from flammable material. Storage should be in dry masonry or concrete buildings free from draughts.

### Section 8

#### Exposure Control/Personal Protection

8.1 Occupational exposure standard:- 2 mg/m<sup>3</sup> (8 hr TWA).

8.2 Handling systems should preferably be enclosed or suitable ventilation installed to maintain atmospheric dust below OES. All ventilation systems should be filtered before discharge to atmosphere.

8.3 If the atmospheric dust exceeds occupational exposure standard, wear suitable personal protective equipment.

**PSD9**  
**April 2007**

Lhoist UK Ltd.

Hindlow, Buxton, Derbyshire SK17 0EL

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Tel. Sales : +44 (0)1298 768666 - Fax Sales : +44 (0)1298 768667

Website : [www.lhoist.co.uk](http://www.lhoist.co.uk)

Registered Number : 4056154



Certificate Number : ...FM2112

Use approved dust respirators to EN 149 category FFP2, or air stream-helmet for heavy exposure.

Long sleeved overalls, close fitting at openings.

Boots that resist dust penetration.

Rubber, leather, or fabric lined/impervious outer gloves provide suitable hand protection.

Wide vision full goggles to BS 2092 grade 1 impact, with anti-mist for eye protection.

## Section 9 Physical & Chemical Properties

Form – Solid of varying sizes. Lump, granular, or fine powder.  
Colour – White or off white.  
Odour – Faint earthy odour.  
pH – 12.4 (Aqueous solution approx. 2g/litre as Ca(OH)<sub>2</sub>).  
Solubility in water – 1.33 g/litre at 10<sup>0</sup> C (Reacts with water to form Calcium Hydroxide).  
Vapour Pressure – 0 at 20<sup>0</sup>C  
Specific Gravity – 3.4  
Melting Point – 2570<sup>0</sup> C.

## Section 10 Stability and Reactivity

10.1 Stable.

10.2 Conditions/Materials to avoid.  
Minimise exposure to air to avoid degradation. Reacts vigorously with strong acids. Attacks aluminium, lead and brass in the presence of moisture. Reacts violently with moisture, generating heat.

10.3 Hazardous composition products:- None.

## Section 11 Toxicological Information

### Short term effects of over exposure:-

**Skin Contact** – Irritating to skin in the presence of moisture. May cause burns in the presence of moisture.

**Eye Contact** – Can be a very painful irritant. May cause burns. Risk of severe and permanent damage to eyes.

**Inhalation** – Irritant to the respiratory tract in high concentrations of dust. Gross inhalation may cause inflammation, ulceration, perforation of nasal septum and pneumonitis.

**Ingestion** – May cause corrosion of and damage to gastrointestinal tract.

### Long term effects of overexposure:-

Prolonged and repeated skin contact may cause and dermatitis. Prolonged and repeated inhalation of high concentrations may damage the respiratory tract.

## Section 12 Ecological Information Ecotoxicity

SANIBLANC<sup>®</sup> D is considered to be non-toxic. LC50 aquatic toxicity values are >100 mg/l. High concentrations (> 100mg/l) may have a sterilising effect in sewage works.

Product is extensively used in treatment of acid wastes and sewage sludge's.

## Mobility

Sparingly soluble in water as hydroxide to form alkaline solution. Low mobility in most ground conditions.

## Persistence & Degradability

Non biodegradable – reacts with moisture to form calcium hydroxide and reacts with atmospheric and dissolved carbon dioxide to form calcium carbonate. (chalk)

## Bioaccumulative Potential

The product has no potential to accumulate in the food chain.

## Section 13 Disposal Considerations

SANIBLANC<sup>®</sup> D can normally be disposed of only at licensed waste facilities. Disposal should be in accordance with local and national legislation. Contaminated packaging can be incinerated.

## Section 14 Transport Consideration

Not classified as hazardous for transport.  
IMDG (Sea) Not Classified  
ADR (Road) Not Classified  
RID (Rail) Not Classified  
IATA (Air) Class 8 Packing Group III

## Section 15 Regulatory Information

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory Instrument 2002 No.1689.

**Classification for Supply:** - Irritant.  
**Classification for Conveyance:** - None.

## Risk phrases

R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes.

## Safety phrases

S2 – Keep out of the reach of children.  
S22 - Do not breathe dust.  
S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37 – Wear suitable gloves.  
S39 - Wear eye/face protection.

Occupational Exposure Limits 2002. HSE Guidance Note EH40/02. OES 2mg/m<sup>3</sup> (8 hour TWA)

Data sheet prepared in accordance with Directive 2001/58/EC.

## Section 16 Other Information

### PSD9

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