

# SAFETY DATA SHEET

**Promat**

Trade name: SUPALUX®

issued: 10/03/08

Supersedes version: 11/10/06

## 1. Identification of the product and of the company

**Product name:** SUPALUX®  
**Intended Product use:** Self-supporting calcium silicate board used for fire protection of buildings.  
**Company**  
Company : Promat UK Ltd.  
Address : The Sterling Centre  
Eastern Road  
Bracknell  
GB – Berkshire RG12 2TD  
Telephone : 01344 381 400  
Fax : 01344 381 401  
e-mail : technicaluk@promat.co.uk

## 2. Hazard Identification

**Indication of the hazards:** The installed product in its final application: no hazards known. Not classified as hazardous or dangerous according to 67/548/EEC or 1999/45/EC

By machining (drilling, cutting, sanding, etc.) the product: airborne dust can be released.

- As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the airways.
- Eye contact with dust may lead to transient eye irritation or inflammation.
- Prolonged skin contact may lead to skin irritation.
- Long term hazards: see section 11
- The handling and machining of this product may lead to the release of quartz containing dust. However, for this product, with exposure assessments performed by accredited European laboratories using reference workplace monitoring methods, any quartz levels in the respirable dust were below the detection limit. The inhalation of quartz from occupational sources may lead to chronic lung disease (silicosis) and an increased risk of cancer. According to the International Agency for Research on Cancer (IARC Monographs 1997) "Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

**Specific risk information for humans and environment:** see section 7 and 8

## 3. Composition / Information on ingredients

**Description:** Calcium Silicate fire protective board in large dimensions.

**Chemical characterisation** This product is a manufactured article, not a substance nor a preparation.

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Ingredient	CAS nr.	EC nr.	R phrases
Calcium Silicate Hydrate	1344-95-2	215-710-8	-
Mica	12001-26-2	-	-
Wollastonite	13983-17-0	237-772-5	-
Vermiculite	1318-00-9	-	-
Quartz	14808-60-7	238-878-4	-
Cellulose	65996-61-4	265-995-8	-

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## 4. First aid measures

**Inhalation:** remove to fresh air and drink water  
**Ingestion:** drink water  
**Skin contact:** rinse the skin with water  
**Eye contact:** do not rub the eye, rinse out with water. If eye irritation or inflammation persists, seek medical advice.

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## 5. Fire fighting measures:

**Additional Information:** The product is a non combustible board, according to the local non-combustibility standard.

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## 6. Accidental spill / release measures:

**Methods for cleaning up:** Shovel up small pieces. Dampen down any dust before putting into appropriate skips

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## 7. Handling and storage

**Handling:**

- Instructions for handling and machining
- Dust, generated during machining and processing must be exhausted and the regulatory occupational exposure limits for total and respirable dust must be respected.
- Work in a well ventilated area
- Use tools with appropriate dust exhaust equipment
- Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits (refer to local regulations).
- Collect dust with a vacuum cleaner or soak with water before sweeping up.

**Storage:** Store in dry, covered and frost proof area.

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## 8. Exposure controls / Personal protection

### EXPOSURE LIMIT VALUES

When machining (drilling, cutting, sanding, etc.) boards, respect Workplace Exposure Limits (WEL) for inhalable and respirable dust and for respirable quartz dust. Check the latest Workplace Exposure Limits (WEL) for airborne contaminants that are applicable in your country.

Typical Workplace Exposure Limits (8hrs TWA) on the date of issue of this document are:

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In mg/m <sup>3</sup>	Fraction	COUNTRY	
		UK	IE
Particles NOR (1)	Inhalable	10	10
	Respirable	4	4
Mica (2)	Respirable	0,8	0,8
Quartz (3)	Respirable	0,1	0,05

(1) Particles NOR: particles not otherwise classified or regulated (nuisance dust).

Applies for all other components in the product.

(2) Quartz – CAS number: 14808 - 60 - 7

## EXPOSURE CONTROLS

### Occupational exposure controls:

Ensure vacuum dust exhaust with correct filter when using motorised machining tools.

### Individual protection measures:

Avoid breathing dusts  
Avoid eye and skin contact  
Wear personal protective equipment appropriate to the task (see below)

- **Respiratory protection:** Use appropriate individual respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits (e.g. for exposures up to 10 times the OEL use at least a P2 type duct mask. For higher exposure, use a P3 type mask).
- **Eye protection:** Use safety glasses whenever tools are used and dusts are produced
- **Skin/hand protection** Use working clothes and gloves to protect against mechanical injury and direct skin contact

## 9. Physical and chemical properties

**Appearance:** board

**Colour** off-white

**Odour:** None

### Important safety parameters:

**Relative density:** ca. 950 kg/m<sup>3</sup>

### **Solubility:**

- **water solubility:** insoluble

**pH value:** 7 - 10 (when taken into an aqueous solution)

**Information on other properties** Not applicable

## 10. Stability and reactivity

Nothing to report.

## 11. Toxicological information

### **Acute toxicity:**

- These calcium Silicate boards are not expected to have significant acute toxicity. Apart from mild skin, throat, airway or eye irritation, workers producing these boards have reported no significant health complaints.
- As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the airways.
  - Eye contact with dust may lead to transient eye irritation or inflammation.
  - Prolonged skin contact may lead to skin irritation.

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**Further information:** Inhalation of excessive concentrations of quartz-containing dust can be hazardous to health. The inhalation of quartz containing dust in high concentrations or over repeated or prolonged periods of time may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8). However, for this product, with exposure assessments performed by accredited European laboratories using reference workplace monitoring methods, any quartz levels in the respirable dust were below the detection limit.

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**12. Ecological information** Nothing to report.

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## 13. Disposal considerations

**Product disposal:** Handle as construction industry waste and dispose in accordance with local legislation  
**Packaging disposal:** Dispose according to local legislation

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## 14. Transport information

**Road transport:** Product is not classified as dangerous  
**Inland shipping transport:** Product is not classified as dangerous  
**Sea shipping transport:** Product is not classified as dangerous  
**Air transport:** Product is not classified as dangerous

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## 15. Regulatory information

**Labelling according to EEC – Directives:**  
The Product is a manufactured article, not a substance nor a preparation. Therefore the EU Directive on classification and labelling 67/548/EEC and 1999/45/EC is not applicable.

**Danger indication:** not applicable      Symbol: not applicable  
R – sentence: not applicable  
S – sentence: not applicable

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## 16. Other information

The recommendations for use and installation of the product have to be followed as indicated in the Promat Handbook.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advice should be obtained.

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This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.

This data sheet has been revised according to the Regulation (EC) N° 1907/2006 of 18 December 2006 (OJ 29.5.2007, L136/3)