



# Material Safety Data Sheet

## SKAMOL Diatomite Bricks Type HIPOR 450 and POROS 500

### 1. Product and company identification

|                               |  |
|-------------------------------|--|
| <b>Use:</b> Insulating Bricks | <b>Manufacturer/importer/distributor:</b><br><b>Skamol A/S</b><br><b>Østergade 58-60</b><br><b>DK-7900 Nykøbing M</b><br><b>Denmark</b><br><b>Tel: +45 97721533 Fax: +45 97724975</b><br><b>Emergency Phone: +45 97 72 15 33</b><br><b>Email: insulation@skamol.dk</b> |
|-------------------------------|--|

### 2. Hazards identification

|   |
|---|
| <b>EMERGENCY OVERVIEW</b><br><b>Appearance/Odor:</b> Red porous bricks/Odourless<br><br><b>POTENTIAL HEALTH EFFECTS: See Section 11 for more information</b><br><b>Likely Routes of Exposure:</b> Skin Contact/Inhalation of dust<br><br>This product contains quartz/silica, which in the form of respirable airborne unbound particles is listed as possibly carcinogenic to humans by IARC and NTP. This hazard is only a risk when performing dusty work. The product does not contain any other carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.<br><br><b>POTENTIAL ENVIRONMENTAL EFFECTS: See Section 12 for more information</b><br><br><b>OSHA REGULATORY STATUS</b><br>This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) |
|---|

### 3. Composition/Information on Ingredients

| CAS No.    | Component | w/w% |
|------------|-----------|------|
| 14808-60-7 | Quartz    | 8-12 |

### 4. First aid measures

|   |
|---|
| <b>By inhalation:</b><br>Exposure to dust: Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.<br><br><b>By ingestion:</b><br>Exposure to dust: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.<br><br><b>By skin contact:</b><br>Exposure to dust: Remove contaminated clothing. Wash skin thoroughly with water and continue for a prolonged period of time. Seek medical advice in case of persistent discomfort.<br><br><b>By eye contact:</b><br>Exposure to dust: Flush with water (preferably using eyewash equipment) until irritation subsides. Seek medical advice if symptoms persist.<br><br><b>Other information:</b><br>Bring the material safety data sheet or label when seeking medical advice |
|---|

Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web: www.hse.bureauveritas.dk

Prepared on: 29-11-2011/LFJ

## SKAMOL Diatomite Bricks Type HIPOR 450 and POROS 500

### 5. Fire fighting measures

The product is not directly flammable. Avoid inhalation of vapor and smoke gases – seek fresh air.

### 6. Accidental release measures

Use the same personal protective equipment as stated in section 8. Collect spills for possible reuse or transfer to suitable waste containers. See section 13 for instructions on disposal. Do not sweep – use vacuum cleaner to collect spillage.

### 7. Handling and storage

#### Handling:

See section 8 for information about precautions for use and personal protective equipment.

#### Storage:

The product should be stored safely, out of reach of children and away from food, animal feed, medicines, etc. Store in a dry area.

### 8. Exposure controls/Personal protection

#### Engineering controls/general hygiene considerations:

Work processes where generation of dust may occur, must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

#### Respiratory protection:

Wear respiratory protective equipment with P2 filter when performing dusty work.

#### Skin protection:

Plastic or rubber gloves recommended.

#### Eye/face protection:

Wear safety goggles if there is a risk of dust contact with eyes.

#### Exposure guidelines:

| Substance | Exposure limit  | Remarks       |
|-----------|---|---------------|
| Quartz    | Note (3) (to be calculated according to table Z-3)<br>Resp, $\alpha$ -quartz 0.025 mg/m <sup>3</sup> ; A2 | OSHA<br>ACGIH |

TWA: time-weighted average STEL: short-term exposure limit

#### Remarks:

A2 = Suspected Human Carcinogen

#### Control methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 9. Physical and chemical properties

Appearance: Red porous bricks/blocks  
Odor: Odourless  
Odor threshold: N/A  
Physical state: Solid  
pH: N/A  
Melting/freezing point: 2460-2550 °F  
Boiling point: N/A  
Flash point: N/A  
Evaporation rate: N/A  
Flammability: N/A

Upper/lower flammability or explosive limits: N/A  
Vapor pressure: N/A  
Vapor density: N/A  
Specific gravity or relative density:  
Solubility: Insoluble in water  
Partition coefficient: n-octanol/water: N/A  
Auto-ignition temperature: N/A  
Decomposition temperature: N/A

### 10. Stability and reactivity

The product is stable when used in accordance with the supplier's directions.

Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web: www.hse.bureauveritas.dk

## 11. Toxicological information

### **Immediate effects**

#### **Inhalation:**

Inhalation of dust may cause irritation to the upper airways.

#### **Ingestion:**

Exposure to dust: Irritates mucous membranes in mouth and gastrointestinal tract.

#### **Skin contact:**

Exposure to dust: May cause slight irritation.

#### **Eye contact:**

Exposure to dust: May cause eye irritation.

### **Long-term effects**

#### **Cancer:**

The product contains quartz/silica, which in the form of respirable airborne unbound particles is suspected of being carcinogenic.

## 12. Ecological information

Do not discharge large quantities of concentrated spills and residue into drains.

## 13. Disposal considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

## 14. Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to DOT, ADR and IMDG.

## 15. Regulatory information

### **US Federal**

**TSCA:** All ingredients are on the inventory or exempt from listing.

**CERCLA:** None of the ingredients are on the inventory.

### **SARA title III Rules**

**Section 302:** None of the ingredients are on the inventory.

### **Section 311/312 Hazard classes:**

Fire Hazard       Reactive Hazard       Release of Pressure       Acute Health Hazard       Chronic Health Hazard

**Section 313:** None of the ingredients are on the inventory.

### **State regulations**

#### **Proposition 65**

Chemicals known to cause cancer:

None of the ingredients are listed

Chemicals known to cause reproductive toxicity:

None of the ingredients are listed

### **EU regulations**

It has been assessed that the product shall not be classified as hazardous according to the national classification and labeling rules.

### **Other information:**

None.

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### **NFPA ratings (scale 0 - 4)**

Health = 1  
Flammability = 0  
Reactivity = 0

### **HMIS III ratings (scale 0 - 4)**

Health hazard = 1  
Flammability = 0  
Physical hazard = 0

### **Sources used**

This MSDS has been prepared to comply with the provisions of ANSI Z400.1-2004. The label text has been prepared to comply with the provisions of ANSI Z129.1-2006  
ACGIH Exposure limits for Chemical Biological Substances, 2011.  
OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

### **Key/Legend:**

This material safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

N/A: Not available or not applicable.

Prepared on: 29-11-2011/ LFJ

Replaces:

**Changes have been made in the following sections:**

Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web:  
www.hse.bureauveritas.dk (Made in Toxido®) USA