



## Safety data sheet

Revision: 13-06-2014  
Replaces: 01-11-2012  
Version: 01.00/EU

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name: SKAMOL Vermiculite Board Insulation  
V-1100 (375), V-1100 (410)  
V-1100 (475), V-1100 (600), V-1100 (700)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Insulation Boards

#### 1.3. Details of the supplier of the safety data sheet

Supplier: Skamol A/S  
Østergade 58-60  
DK-7900 Nykøbing M  
Denmark  
Tel: +45 97721533  
Fax: +45 97724975  
Email: insulation@skamol.dk

#### 1.4. Emergency telephone number

+45 97721533  
Emergency telephone comments: The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

DPD-classification (Directive  
1999/45/EC):

CLP-classification (Regulation  
(EC) No 1272/2008):

Most serious harmful effects:

The product shall not be classified as hazardous according to EU classification and labelling rules.

Handling of the product causes risk of dust formation, which may irritate nose and throat. May cause slight irritation to the skin and eyes.

#### 2.2. Label elements

The product shall not be classified as hazardous according to EU classification and labelling rules.

#### 2.3. Other hazards

No assessment required, as the product contains inorganic matter only.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Registration number	CAS/EC No.	Substance	DSD-classification (Directive 67/548/EEC)/ CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
		Contains no substances subject to reporting requirements.			

Please see section 16 for the full text of R-phrases and H-phrases.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation:	Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.
Eyes	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information:	When obtaining medical advice, show the safety data sheet or label.

#### 4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes. Inhalation of dust may cause irritation to the upper airways.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

#### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Wear safety goggles if there is a risk of dust contact with eyes.
For emergency responders:	In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

#### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

#### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

#### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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.

## 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

## 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Legal basis: Directive 2000/39/EC as subsequently amended.  
Contains no substances subject to reporting requirements.

### 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of dust contact with eyes. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when cutting the product. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Porous board  
Colour: Sand-coloured  
Odour: No data  
Odour threshold: No data  
pH (solution for use): 8,5  
pH (concentrate): No data  
Melting point/freezing point: 1300 °C  
Initial boiling point and boiling range: No data  
Flash point: No data  
Evaporation rate: No data  
Flammability (solid, gas): No data  
Upper/lower flammability limits: No data  
Upper/lower explosive limits: No data  
Vapour pressure: No data  
Vapour density: No data  
Relative density: No data  
Solubility: Solubility in water: 2% by weight (20 °C)  
Partition coefficient n-octanol/water: No data  
Auto-ignition temperature: No data  
Decomposition temperature: No data  
Viscosity: No data  
Explosive properties: No data  
Oxidising properties: No data

### 9.2. Other information

Bulk density: 375 - 700 kg/m<sup>3</sup>

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Not reactive.

### **10.2. Chemical stability**

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

### **10.3. Possibility of hazardous reactions**

None known.

### **10.4. Conditions to avoid**

None known.

### **10.5. Incompatible materials**

None known.

### **10.6. Hazardous decomposition products**

None known.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity - oral: The product does not have to be classified. Test data are not available.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation: Dust may cause eye irritation. The product does not have to be classified. Test data are not available.

Skin corrosion/irritation: May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: Temporary irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The product does not have to be classified. Test data are not available.

### **12.2. Persistence and degradability**

Test data are not available.

### **12.3. Bioaccumulative potential**

Test data are not available.

### **12.4. Mobility in soil**

Test data are not available.

**12.5. Results of PBT and vPvB assessment**

No assessment required, as the product contains inorganic matter only.

**12.6. Other adverse effects**

None known.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Avoid discharge to drain or surface water. Contact the local authorities.

EWC code: Depends on line of business and use, for instance 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

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**SECTION 14: Transport information**

The product is not covered by the rules for transport of dangerous goods.

**14.1. UN number**

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**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

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**14.6. Special precautions for user**

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**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Special provisions: None.

**15.2. Chemical safety assessment**

Chemical safety assessment has not been performed.

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**SECTION 16: Other information**

Changes have been made in the following sections: 1 - 16

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

Classification method: Calculation based on the hazards of the known components.

R-phrases: No R-phrases.

H-phrases: No H-phrases.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of

safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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## Safety data sheet

Revision: 13-06-2014  
Replaces: 01-11-2012  
Version: 01.01/EU

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name: SKAMOL Dense Vermiculite Board Insulation  
VIP- 900, VIP-12, VIP-12 HS

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Insulation Boards

#### 1.3. Details of the supplier of the safety data sheet

Supplier: Skamol A/S  
Østergade 58-60  
DK-7900 Nykøbing M  
Denmark  
Tel: +45 97721533  
Fax: +45 97724975  
Email: insulation@skamol.dk

#### 1.4. Emergency telephone number

+45 97721533  
Emergency telephone comments: The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

DPD-classification (Directive  
1999/45/EC):

CLP-classification (Regulation  
(EC) No 1272/2008):

The product shall not be classified as hazardous according to EU classification and labelling rules.

Most serious harmful effects:

Handling of the product causes risk of dust formation, which may irritate nose and throat. May cause slight irritation to the skin and eyes.

#### 2.2. Label elements

The product shall not be classified as hazardous according to EU classification and labelling rules.

Supplemental information:

None.

#### 2.3. Other hazards

No assessment required, as the product contains inorganic matter only.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Registration number	CAS/EC No.	Substance	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
		Contains no substances subject to reporting requirements.			

Please see section 16 for the full text of R-phrases and H-phrases.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation:	Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.
Eyes	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information:	When obtaining medical advice, show the safety data sheet or label.

#### 4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes. Inhalation of dust may cause irritation to the upper airways.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

#### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Wear safety goggles if there is a risk of dust contact with eyes.
For emergency responders:	In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

#### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

#### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

#### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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.

### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

### 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Legal basis: Commission Directive 2000/39/EC (Occupational Exposure Limits). Last amended by Commission Directive 2009/161/EU.

Contains no substances subject to reporting requirements.

### 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of dust contact with eyes. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when cutting the product. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Porous board  
Colour: Sand-coloured  
Odour: No data  
Odour threshold: No data  
pH (solution for use): 8,5  
pH (concentrate): No data  
Melting point/freezing point: 1300 °C  
Initial boiling point and boiling range: No data  
Flash point: No data  
Evaporation rate: No data  
Flammability (solid, gas): No data  
Upper/lower flammability limits: No data  
Upper/lower explosive limits: No data  
Vapour pressure: No data  
Vapour density: No data  
Relative density: 1,22-1,33  
Solubility: Solubility in water: 2% by weight (20 °C )  
Partition coefficient n-octanol/water: No data  
Auto-ignition temperature: No data  
Decomposition temperature: No data  
Viscosity: No data  
Explosive properties: No data  
Oxidising properties: No data

### 9.2. Other information

Bulk density: 1220 - 1330 kg/m<sup>3</sup>

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Not reactive.

### **10.2. Chemical stability**

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

### **10.3. Possibility of hazardous reactions**

None known.

### **10.4. Conditions to avoid**

None known.

### **10.5. Incompatible materials**

None known.

### **10.6. Hazardous decomposition products**

None known.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity - oral: The product does not have to be classified. Test data are not available.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation: The product does not have to be classified. Test data are not available.

Skin corrosion/irritation: May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: Dust may cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: Inhalation of dust may cause irritation to the upper airways. The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The product does not have to be classified. Test data are not available.

### **12.2. Persistence and degradability**

Test data are not available.

### **12.3. Bioaccumulative potential**

Test data are not available.

### **12.4. Mobility in soil**

Test data are not available.

#### 12.5. Results of PBT and vPvB assessment

No assessment required, as the product contains inorganic matter only.

#### 12.6. Other adverse effects

None known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. Contact the local authorities.

EWC code: Depends on line of business and use, for instance 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

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### SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

#### 14.1. UN number

-

#### 14.2. UN proper shipping name

-

#### 14.3. Transport hazard class(es)

-

#### 14.4. Packing group

-

#### 14.5. Environmental hazards

-

#### 14.6. Special precautions for user

-

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: None.

#### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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### SECTION 16: Other information

Changes have been made in the following sections: 1-16

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

Classification method:

Calculation based on the hazards of the known components.

R-phrases:

No R-phrases.

H-phrases:

No H-phrases.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of

safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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