

## PRODUCT SAFETY DATA SHEET

Issue date: 06/04/95  
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Version number: 5

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Cooperknit Insulation**  
Use: Medium/High temperature thermal protection

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Product Description: Knitted Amorphous Silica Fibre  
(Nominal fil diam 6 $\mu$ )  
Composition: Fabric: >96% Amorphous silica (After drying)

### 3. HAZARD IDENTIFICATION

Potential Health Effects:  
Ingestion: N/A  
Skin Contact: May cause temporary irritation or rash  
Inhalation: Irritation or soreness in throat or nose  
Eye Contact: May cause temporary irritation or inflammation

### 4. FIRST AID MEASURES:

Skin: Wash affected areas with soap and warm water  
Eyes: Flush eyes with copious amounts of water for 15 mins  
Inhalation: Remove to fresh air, drink water to clear throat  
and blow nose to evacuate fibres  
Other first aid information: In all cases if irritation persists seek  
medical attention

### 5. FIRE FIGHTING MEASURES

Extinguishing media: All standard fire fighting media  
Special fire fighting procedures: None<sup>1</sup>

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<sup>1</sup> SUPPLIER: **VIADUCT TRADING LTD**  
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(403) 774 - 1314, [sales@viaducttrading.com](mailto:sales@viaducttrading.com),  
[www.viaducttrading.com](http://www.viaducttrading.com)

## 6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled: N/A

## 7. HANDLING AND STORAGE

Handling precautions: Minimize airborne dust  
 Wear a dust mask if; Dust concentration exceeds  
 local control limits or dust concentration is not known  
 Avoid contact with skin and eyes Storage:  
 No special requirements

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls for hazardous components:  
 OEL EH40/92  
 Name: Amorphous silica Exposure limits:  
 Total inhalable dust 6 mg/m<sup>3</sup>  
 Total respirable dust 3 mg/m<sup>3</sup>  
 Personal Protective equipment:  
 Respiratory: Appropriate respiratory protection if necessary  
 Hand: Sensitive individuals may need to wear gloves  
 Eye: Sensitive individuals may need to wear goggles  
 Skin: Wear loose fitting long sleeved clothing  
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:  
 Form: Knitted fabric Colour: White Odour: None  
 Safety related information:  
 Boiling point/Boiling range: N/A Flashpoint: N/A  
 Melting point/Melting range: 1600°C Auto ignition temp: N/A  
 Specific gravity: 2.2

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## 10. STABILITY AND REACTIVITY

Conditions to avoid: Cooperknit will not undergo a phase change to crystalline silica (cristobalite) when exposed to temperatures below 980°C

There is a possibility of conversion when the material is exposed to temperatures above this for extended periods  
Materials to avoid: Basic phosphates, alkalies, hydrofluoric acid  
Hazardous decomposition products: None

## 11. TOXICOLOGICAL INFORMATION

Potential health effects:

Medical conditions, which may Pre-existing upper respiratory and lung diseases may be aggravated: be aggravated

Target organs: Lungs, skin, eyes Acute health effects: Mechanical irritant to skin, eyes and upper respiratory tract

Chronic health effects: None known

Primary entry routes: Inhalation, skin and eye contact

## 12. ECOLOGICAL INFORMATION

Silica products are not readily biodegradable  
No known harmful effects on the environment

## 13. WASTE DISPOSAL

Dispose as solid waste according to local regulations

## 14. TRANSPORT INFORMATION

No special requirements

## 15. REGULATORY INFORMATION

Symbols: None

Risk phrases: None

Safety phrases: None

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## 16. OTHER INFORMATION

This product data safety sheet was prepared in compliance with Council Directive 91/155/EEC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

All information and instructions provided in this safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. SDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

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