

PRODUCT SAFETY DATA SHEET

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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 μ)

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 firefighting media

Special firefighting procedures: None¹

¹ SUPPLIER: **Innovative Heat Treatment Inc.**

Unit #16 158-12143 40th Street SE, Calgary, Alberta, Canada T2Z 3V6

403-980-5213, info@ihttech.com

www.InnovativeHeatTreatment.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/m³
Total respirable dust 3 mg/m³
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:

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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