

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION: Insulation felt; Insulation matt; Insulation board; Loose wool; Pipe sections

TRADE NAME: ROCKFIBRE
CHEMICAL NAME: FIBROUS STONE
SYNONYMS: ROCKWOOL / STONE WOOL INSULATION

2. COMPOSITION

Fibrous stone wool with thermosetting phenol / formaldehyde resin.

3. HAZARD IDENTIFICATION

Main hazard: Temporary mechanical irritation and itching on skin and eye contact. Temporary irritation of upper airways.
Health effects: None
Flammability: Non flammable
Chemical hazard: None
Biological hazard: Inhalation, lungs, skin and eyes.
Reproduction hazard: None
Carcinogenicity: None
Mutagenicity: None
Neurotoxicity: None

4. FIRST AID MEASURES:

Product in eyes: Flush eyes with clean tepid water for 10 minutes or until irritation ceases.
Product on skin: Wash gently with lukewarm water and soap.
Product ingested: None
Product inhaled: None

5. FIRE FIGHTING MEASURES:

Extinguishing media: Water, foam, carbon dioxide, dry powder.
Protective clothing: Fire fighters entering an area where fibrous glass is present must wear full protective gear, including eye and respiratory protection.

6. ACCIDENTAL RELEASE MEASURES:

Containment procedures: This material will settle out of air. If concentrated on land it can be scooped up for disposal as non-hazardous waste.
Personal precautions: Isolate area. Keep unnecessary personnel away.
Environmental it is precautions: This material will sink and disperse along the bottom of waterways and ponds. It cannot easily be removed after waterborne. However, the material is non-hazardous in water.
Small spills: Use vacuum cleaners
Large spills: Spray with water to suppress dust. Collect wet material with shovels or front-end loader. Warning: Never use compressed air to clean an area where fibrous material has been spilled.

7. HANDLING AND STORAGE

Precautions: Store and handle in a manner that prevents spread of airborne fibrous dust.

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

Occupational exposure limits: Recommended limit 2 fibres/ ml air
Engineering control measures: Exhaust ventilation with hood or enclosed process to contain dust.

Personal protection

Respiratory: FF1 type protection mask
Eyes: Wear safety glasses/goggles when working at or above shoulder height.
Skin: Gloves and normal work clothing. Protect pressure points such as around neck, wrists, and waist and between fingers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Rolls or boards
Odour: None
pH: 6 – 9
Boiling point: n/a
Melting point: becomes increasingly fluid above 1000 degrees C

Flash point: None
Flammability: None
Auto flammability: None
Explosive properties: None
Oxidising properties: None
Physical state: Stable
Density: SG 2.5
Solubility in water: Insoluble in water and chemical solvents
Freezing point: n/a

10. STABILITY AND REACTIVITY

Conditions to avoid: Product is stable
Incompatible materials: None
Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity: None
Skin and eye contact: Transient irritation
Chronic toxicity: None
Carcinogenicity: Not described in man.
Chronic study in animals: Not available
Component carcinogenicity: Not available
Mutagenicity: Not available
Reproductive hazards: None

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Fish, daphnia, algae
Biodegradability: Persistent but will dissolve slowly in physiological solutions.
No known adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Dispose waste material in non toxic waste landfill. Limit dust generation in the process.

14. TRANSPORT INFORMATION

Transport preferably in closed packaging or container to limit escape of fibrous dust.

15. REGULATORY INFORMATION

Legislation in South Africa: As per Occupational H&S Act 85/1993.
Recommended occupational exposure limit: 2 fibres / ml air

16. IMPORTANT INFORMATION

Fibrous insulation material is safe when handled correctly.
Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty expressed or implied with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from the use of this product.