

**MATERIAL SAFETY DATA SHEET**

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**COMPANY DETAILS**

Name : *Saint-Gobain Construction Products South Africa (Pty) Ltd – Isover Division*  
Emergency No. **011 360 8200**

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**1. PRODUCT AND COMPANY IDENTIFICATION**

AEROLITE : CAVITYBATT: CLIMAVER: FACTORYLITE : ECOSOUND: ENERGYLITE: SNAP-ON PIPE: SOUNDLITE : FACTORYBOARD : SONIC LINER : DUCTWRAP : DUCTBOARD : GEYSER INSULATION PACK: GEYSER PIPE INSULATION : LOFT INSULATION : SI STOVE INSULATION

**Trade Name**

Fibre Glass

**Chemical Family**

Borosilicate Glass

**Chemical Name**

Fibrous Glass

**Synonyms**

Glass Fibre Insulation

**Chemical Abstract No.**

**NIOSH No.**

**Hazchem Code :**

**UN no. :** None

**2. COMPOSITION**

Fibre Glass wool with thermosetting phenol / formaldehyde or thermosetting acrylic resin

**Hazardous components**

**EEC Classification**

**R Phrases**

**3. HAZARD IDENTIFICATION**

**MSDS**

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**Main Hazard**

Temporary mechanical irritation and itching on skin and eye contact. Temporary irritation of upper airways

**Health Effects**

Ingestion : None

**Flammability**

Non Flammable

**Chemical hazard****Biological hazard**

Inhalation, lungs, skin and eyes

**Reproduction hazard**

**Eye effect: eyes:** Rinse eye with clean tepid water for 10 minutes or until irritation ceases

**Health effects – skin:**

Wash gently with lukewarm water and soap.

**Health effects – ingestion**

None

**Health effects – inhalation**

None

**Carcinogenicity****Mutagenicity****Neurotoxicity****4. FIRST AID MEASURES****Product in eye:**

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****MSDS**

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**Extinguishing media**

Water, foam, carbon dioxide, dry powder.

**Special hazards**

None. Primary combustion products are carbon monoxide, hydrocarbons and water.

**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 precautions**

This material will sink and disperse along the bottom of waterways and ponds. It cannot easily be removed after it is waterborne, however the material is non hazardous in water.

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**Small spills**

Use a vacuum cleaners

**Large spills**

Spray with water to suppress dust. Collect wet material with shovels or front-end loader.

**7. HANDLING AND STORAGE****Suitable material****Handling / storage precautions**

Store and handle in a manner that prevents spread of airborne fibrous glass dust in the workplace.

**Storage Procedures**

Store product undercover and in dry conditions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Occupational exposure limits**

Recommended limited 2 fibres/ml air

**Engineering control measures**

Local exhaust ventilation with hood : or process enclosure to contain dust.

**Personal protection – respiratory**

FF1 Type respiratory protection mask

**Personal protection – hand**

Wear Gloves

**Personal protection – eye**

Wear safety glasses, goggles when working at or above shoulder height

**Personal protection – skin**

Normal work clothing is recommended. Use gloves. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

**Other protection**

N/A

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Fibrous insulation wool in rolls or batts
<b>Odour</b>	None
<b>PH</b>	6 – 9
<b>Boiling point</b>	Not applicable
<b>Melting point</b>	Becomes increasingly fluid from 800°C upwards
<b>Flash point</b>	None
<b>Flammability</b>	None
<b>Auto flammability</b>	None
<b>Explosive properties</b>	None Known
<b>Oxidizing properties</b>	None
<b>Physical State</b>	Stable

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<b>Density</b>	SG 2.5
<b>Solubility (H2O)</b>	Insoluble in water and chemical solvents
<b>Freezing Point</b>	Not applicable
<b>10. STABILITY AND REACTIVITY</b>	
<b>Conditions to avoid</b> Product is stable	
<b>Incompatible materials</b> None Known	
<b>Hazardous decomposition products</b>	
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute toxicity</b> None	
<b>Skin and eye contact</b> Skin, eye and upper airway contact : Transient irritation	
<b>Chronic toxicity</b>	
<b>Carcinogenicity</b> Not described in man	
<b>Chronic Study in Animals</b>	
<b>Component Carcinogenicity</b>	
<b>Mutagenicity</b>	
<b>Reproductive hazards</b>	
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Aquatic toxicity – fish</b>	
<b>Aquatic toxicity – daphnia</b>	
<b>Aquatic – algae</b>	
<b>Biodegradability</b>	Dissolves slowly in physiological solutions : otherwise persistent
<b>Bio accumulation</b>	
<b>Mobility</b>	
<b>German wvk</b>	
No known adverse environmental effects	
<b>13. DISPOSAL CONSIDERATION</b>	
Disposal methods Dispose of waste material in non toxic waste landfill. Handle so as to limit dust generation	
<b>Disposal of packaging</b>	

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#### **14. TRANSPORT INFORMATION**

**Un Known**

None

**Substance identity no.**

**ADR / RID class**

**ADR / RID item no.**

**ADR / RID hazard identity no**

**IMDG Shipping name**

**IMDG class**

**IMDG Packaging group**

**IMDG Marine pollutant**

**IMDG EMS no.**

**IMDG MFAG Table no.**

**IATA Shipping name**

IATA class

**IATA Subsidiary risk (s)**

**ADNR Class**

**UK Description**

**UK emergency action class**

**UK Classification**

**Tremcard no**

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

#### **15. REGULATORY INFORMATION**

**EEC Hazard classification**

**Risk phases**

**Safety phases**

**National legislation**

South African Legislation : Occupational Health and Safety Act 85/1993.

Hazardous Chemical Substances Regulations – recommended occupational exposure limit 2 fibre / ml air

#### **16. OTHER INFORMATION**

Aerolite DOES NOT contain asbestos, is bio-soluble and poses NO health hazards. Aerolite has a class 1 fire rating from the SABS, Aerolite can NOT burn.

There are no blowing agents in this range of products and therefore they have zero ODP (Ozone Depleting Potential).

Fibrous glass insulation 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 its use.

Obtain SGI MSDS electronically via Internet : <http://www.isover.co.za>

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