

# Material Safety Data Sheet

Isover Insulation Products  
Glass Mineral Wool Rolls, Slabs, Pipe Sections, Blowing Wool, ULTIMATE™ Products & Stone Wool

April  
2011

## 1. Identification

Mineral wool for thermal, acoustic and fire protection insulation. Produced by Saint-Gobain Isover.

## 2. Composition

Glass Mineral Wool and Stone Mineral Wool - inert vitreous silicate mineral wool bonded with a thermosetting resin, which has been urea extended. Contains up to 0.7% mineral oil.

**ULTIMATE™** - a processed mineral wool bonded with thermosetting resin, with or without duromer plastic and adhesive agents; possibly with lamination, water-proofing, inorganic coating, desiccation on wire mesh. Up to 1% mineral oil.

## 3. Hazards Identification

May cause temporary skin irritation by mechanical action. Cutting and handling may create dust. High levels of dust may irritate throat or eyes.

## 4. First Aid Measures

- **Eye Contact**  
If irritation occurs, wash eyes with clean potable water
- **Skin Contact**  
If irritation occurs, wash skin with soap and water
- **Inhalation**  
Move person to fresh air
- **Ingestion**  
Drink plenty of water if accidentally swallowed

If any adverse reaction or discomfort continues from any of the above, seek medical advice.

## 5. Fire Fighting Measures

The products do not pose a fire hazard. However, some packaging materials and facings may burn.

- **Suitable Extinguishing Media**  
Water, foam, carbon dioxide or dry powder
- **Products of Combustion**  
Carbon dioxide, carbon monoxide and some trace gases

## 6. Accidental Release Measures

Large pieces may be placed in plastic bags or waste bins. Granules or dust should be collected using vacuum cleaning or by dampening down with water spray prior to sweeping up.

## 7. Handling and Storage

- Avoid unnecessary handling of unwrapped product
- Store in original packaging in a dry place
- If cutting material use sharp hand tools and avoid power tools
- Ensure adequate ventilation of workspaces
- Keep work areas clean. Use water sprays to dampen area prior to sweeping, or use vacuum cleaning

## 8. Exposure Controls / Personal Protection

### Occupational Exposure Limits

WEL (Workplace Exposure Limits) - 5mg/ma<sup>3</sup> 8-hour TWA (gravimetric) and 2 fibres/ml.

WEL (Workplace Exposure Limits) 8-hour TWA (gravimetric). In normal applications, it is unlikely that these WELs will be exceeded. Refer to current editions of HSE EH40-Occupational Exposure Limits.

### Personal Protection

- **Respiratory**  
In confined spaces or if the WELs are likely to be exceeded, disposable facemasks complying with EN 149 Class FFP1 or FFP2 should be used and are suitable for most applications to improve protection
- **Skin**  
Gloves may be worn for comfort. Wear loose fitting clothing, avoiding constrictions around neck and wrists
- **Eyes**  
If working with products above head height or in restricted space, eye protection should be worn to comply with BS EN 166

## 9. Physical and Chemical Properties

### Glass Mineral Wool & Stone Mineral Wool Appearance

Vitreous bonded mineral wool supplied in roll, slab or sectional form, with or without facings. Melting point above 600°C. Insoluble (<0.1mg/L). Finished product is chemically inert in dry conditions at 20°C.

### ULTIMATE™ Appearance

Processed mineral wool supplied in roll, slab or sectional form, with or without facings. Melting point is above 1000°C. Insoluble (<0.1mg/L). Finished product is chemically inert in dry conditions at 20°C.

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## 10. Stability and Reactivity

No special physical conditions need to be avoided or restrictions regarding incompatible materials.

## 11. Toxicological Information

Not classified as a carcinogen under the European Commission Directive 97/69/EC. No link between exposure to mineral wool fibres and lung disease in production or user industries. IARC Group 3 (not classifiable).

## 12. Ecological Information

Stable product with no known adverse environmental effects. The product has Zero Ozone Depletion Potential (Zero ODP) and a Zero Global Warming Potential (Zero GWP).



## 13. Disposal Considerations

No special precautions. Not classified as hazardous or special waste in the UK and may be disposed of in normal waste landfill.

## 14. Transport Information

Not classified as hazardous for transport.

## 15. Regulatory Information

COSHH Regulations Schedule 1 WELs (Workplace Exposure Limits) of 5mg/m<sup>3</sup> dust, 8-hour TWA (gravimetric) applies to all mineral wool dust.

## 16. Other Information

MIMA Health Statement - PO Box 35084, London, NW1 4XE.  
HSE Guidance Note EH46 - Man-made mineral fibres.  
HSE Guidance Note EH40 - Occupational Exposure Limits.  
Recommended uses; Thermal, acoustic and fire insulation.

### Note to User

This Material Safety Data Sheet does not constitute the users own workplace risk assessment, which is required under COSHH (The Control of Substances Hazardous to Health) Regulations.

Saint-Gobain Isover technical staff are available for discussion and to offer technical advice when Isover's products are being specified or used. These services are available nationally through the numbers listed below.

This Material Safety Data Sheet is in accordance with the EU Directive 91/155/EEC amended by 93/112/EC and 2001/58/EC. Assessment according to EU Directive 97/69/EC on MMVF and CHIP.

Revised January 2011 to accommodate new ranges and change company branding.



- ★ Less Materials
- ★ Less Energy
- ★ Less Emissions

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Disclaimer: This information reflects typical values and is not a product specification. No warranty expressed or implied is hereby given. This Material Safety Data Sheet does not constitute the users own workplace risk assessment, which is required, under COSHH (The Control of Substances Hazardous to Health) Regulations.