

Material Safety Data Sheet

SIIMCO Stone wool Insulation Products

Rolls, Slabs, Pipe Section, Mattresses or Wired Mats & Loose wool

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1. PRODUCT DESCRIPTION

Mineral wool for thermal and/or acoustic insulation and fire protection. For use in industrial applications and in the construction industry.

2. COMPOSITION

Inert vitreous silicate mineral wool bonded with a thermosetting phenolic resin which has been urea extended.

3. HAZARD IDENTIFICATION

May cause transient skin irritation. High dust levels may irritate throat.

4. FIRST AID MEASURE

Eyes: If irritation occurs wash eyes with water. If symptoms persist seek medical advice.

Skin: If irritation occurs, wash off under running water prior to washing with soap and water.

5. FIRE FIGHTING MEASURES

The products are non-combustible and do not pose a fire hazard, however, packaging material may burn.

Extinguishing Media: Carbon dioxide (CO₂), water, water fog, foam, dry chemical.

Unsuitable extinguishing Media: None

Special Fire Fighting Procedures: No special procedures are expected to be necessary for this product. Normal firefighting procedures should be followed to avoid inhalation of smoke and gases.

Unusual Fire and Explosion Hazards: None.

Special Fire Fighting Protective Equipment: Observe normal firefighting procedures.

Flash Point (Method Used): Not applicable.

Upper and lower flammable limits in air: Not applicable.

Auto ignition temperature: Not applicable.

Hazardous combustion products: Carbon dioxide, carbon monoxide and trace gases.

6. ACCIDENTAL RELEASE MEASURES

Containment: Not necessary. Treat as inert material.

Clean up: Pick up large pieces. Use gloves to avoid skin irritation. Vacuum dusts preferably with an industrial vacuum cleaner with high efficiency air filter. If sweeping is necessary, use dust suppressant such as water. Do not dry sweep dust accumulation or use compressed air for cleanup. These procedures will help minimize potential exposures.

Disposal: Dispose in sanitary landfill in accordance with local, state and federal requirements.

7. HANDLING AND STORAGE

Avoid unnecessary handling of unwrapped product.

Store in original packaging in a dry place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Maximum Exposure Limit (MEL) 5mg/m³, 8-hour time weighted average. Ensure good general ventilation. Local exhaust ventilation may be required if the method of use produced dust levels in excess of MEL.

Avoid unnecessary exposure to dust and handle with care. Keep work area clean of dust and fibers by using an industrial vacuum cleaner with high efficiency filter or wetting down area with water. Never use compressed air and avoid dry sweeping.

Respiratory Protection: If the MEL cannot be met, disposable face masks complying with B3/EN149FFP 1 or FFP2 should be used and are suitable for most application.

Eye protection: Wear safety glasses with side shields or goggles to avoid eye irritation.

Other clothing: Wear tight fitting goggles and gloves when

dusty conditions exist. Wear long-sleeved, loose fitting clothing at the neck and wrists and minimize skin contact. Wash work clothing separately from other clothing. Rinse washer thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance – vitreous mineral wool supplied in the form of rolls, slabs, pipes, loose wool.

Melting point – above 1000 °C

Solubility – Insoluble in water and generally chemically inert.

10. STABILITY AND REACTIVITY

No special physical conditions need to be avoided.

Above 1500 °C, some binder degradation may occur for a short while, leading to evolution of small quantities of carbon dioxide, carbon monoxide and other trace gases.

11. TOXICOLOGICAL INFORMATION/

Material IARC NTP

IARC classification of this MMVF = Group 3

In October 2001, the International Agency for Research on Cancer (IARC) classified mineral wool fibers (rock or slag) as Group 3 (not classifiable as to carcinogenicity to humans). IARC noted specifically: “no evidence of increased risks of lung cancer or mesothelioma (cancer of the lining of the body cavities) from occupational exposures during manufacture of these materials, and inadequate evidence overall of any cancer risk”.

12. ECOLOGICAL INFORMATION

Stable product with no known adverse environmental effects.

13. DISPOSAL CONSIDERATIONS:

No special precautions.

14. Transport Information

Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

No special labeling required.

Mineral wool products are not classified under CHIP as hazardous, but are regulated as a manmade mineral fiber (MMMMF) under the Control of Substances Hazardous to Health Regulations (COSHH) with a MEL of 5mg/m³ and /or 2 fibers/ml (respirable), whichever is achieved first.

16. Other Information:

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.

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.

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For mineral wools the appropriate limit is mg/m³ (gravimetric). This safety data sheet does not constitute an assessment of workplace risk.

This information reflects the typical values and is not a product specification. No warranty expressed or implied is hereby made.