

MADA ROCKWOOL INSULATION

Material Safety Data Sheet

SDS-ACC-R08-Rev1 Mada Rockwool - June 2022

Product Identification

Product Name:
Mada Rockwool Insulation

Contact Information:

Mada Gypsum Company
Yanbu Al Sinayah 51000
P.O.Box 31542
Kingdom of Saudi Arabia
Web: www.madagypsum.com

For Emergency Product
Information Call
Telephone: +966 14 325 3253

Hazard Identification

- **Skin Contact:** Flush with clean water, If discomfort persists, seek medical attention.
- **Eye Contact:** Flush with clean water, If discomfort persists, seek medical attention.
- **Inhalation:** Remove to fresh air, If symptoms persist, seek medical attention.
- **Advice to Doctor:** Any symptoms and signs of ill-health are likely to be due to other causes. Can be slightly itchy on prolonged contact with skin. Does not produce any acute or chronic health effects. Treatment should be directed toward cleansing the skin and symptomatic treatment as necessary.

Composition / Information On Ingredients

Synonyms: Mineral wool, Rockwool, Manmade Vitreous Fiber , Manmade Vitreous mineral Fiber.

Component	CAS – Number	Weight in %	TLV	TLV
Mineral Rockwool fiber (amorphous, non-crystalline, bio-soluble.)	RN 65997-17-3	95 - 99.5	Total 10 mg/m ³ Respirable 1 Fiber/cc	Total 15 mg/m ³ Respirable 1 Fiber/cc
Heat-cured resin (fiber binding agent)	25104-55-6	0.5 - 5	None	None
Emulsion Oil	8012-95-1	< 1	5 mg/m ³	5 mg/m ³

Mineral wool has been classified by EU as locally irritating (irritate the skin), high levels may irritate nose, mouth, throat, and eyes.

Mada Rockwool is free from asbestos, free from free formaldehyde and Environment friendly with CFC and HCFC free, and chemically inert, with Zero ODP Ozone Depletion Potential & Zero GWP Global Warming Potential .



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First Aid Measures

- **Inhalation:** Move the victim to fresh air. Get medical attention if any discomfort continues.
- **Inhalation exposure:** Remove from exposure. Rinse the throat with cold, potable water and blow nose to clear dust. Leave dusty area for fresh air. Consult a physician if discomfort persists.
- **Skin exposure:** If itching occurs, remove contaminated clothing and wash skin gently with cold water and mild soap. Do not rub or scratch. Consult a physician if itching persists.
- **Eye exposure:** In case of inconvenience or discomfort, check for and remove any contact lenses. Rinse abundantly with potable cold water for at least 15 minutes. Do not rub eyes. Seek medical attention if inconvenience persists.
- **Ingestion exposure:** Drink plenty of water if accidentally ingested.

*If any adverse reaction or discomfort continues from any of the above exposures, seek medical professional advice

Fire And Explosion Hazard Data

- **Flammability:** Nonflammable, will not burn.
- **Suitable extinguishing media:** As needed for surrounding fire conditions. Any extinguishing media may be used as required. Water fog may be used to cool intact containers and nearby storage areas.
- **Hazards from combustion products:** Mada Rockwool Insulation is non-flammable, but the plastic wrapping, resin binder, and some facings may decompose, or burn in a fire or when heated above 300°C.
- **Fire Fighting Procedures:** As needed for surrounding fire conditions, If required evacuate area and contact emergency services, remain upwind and notify those downwind of fire hazard, and wear protective equipment including Self-Contained Breathing Apparatus (SCBA).

Accidental Release Measures

- **Containment Procedure:** If product is torn or loose, cover or reseal to minimize fiber release. Reuse where possible or place in a sealable plastic bag for disposal according to local authority guidelines.
- **Clean Up Procedure:** Personnel directly involved in clean-up of loose material should wear personal protective equipment, clean area so as to avoid dispersion of loose material or fibers using wet sweep methods or vacuum cleaner.

Precautions For Safe Handling And Use

Precautions for Safe Handling:

These products are safe in use. Once installed, the product does not release dust or fibers. Handling, installing or removing the product may result in some dust and airborne fiber. Minimize eye or skin contact and inhalation during handling, installation and removal, Observe good personal hygiene, including washing hands before eating. Remove personal protective equipment before entering eating areas.

Proper Storage Condition:

Store in shadowed, dry area, removed from foodstuffs. Ensure packages are adequately labeled, protected from physical damage, and sealed when not in use. Avoid packaging being stored under UV light (direct sunlight) for long periods. moisture, corrosive and solvent fumes and vapors.

Incompatibilities: None.

Exposure Controls Measures / Personal Protection

- **Exposure Control:** During most applications and installation no special ventilation will be required. However, if installing in dusty or poorly-ventilated areas, or during the first heat up cycle in high-temperature industrial applications, local exhaust ventilation should be considered. Work practices should aim to minimize the release of, and exposure to, fibers and/or dust. Hand tools generate the least amount of dust and fibers. If power tools are used directly on the product appropriate dust collection systems are recommended.



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Exposure Controls Measures / Personal Protection

- **Personal Hygiene:** Washing of exposed skin with soap and water at the end of a shift or as required is recommended as a comfort measure.
- **Skin Protection:** Direct skin contact can be minimized by wearing long-sleeved shirts and long trousers, a cap or hat, and standard duty gloves. Work clothes should be washed regularly and separately from other clothes. Comfort sleeve gloves are recommended for improved comfort when handling and installing Rockwool Insulation.
- **Eye Protection:** When handling these products, particularly overhead or in enclosed or poorly ventilated areas such as ceiling spaces or risers, eye contact with dust or fiber can be avoided by wearing ventilated non-fogging dust resistant goggles.
- **Respiratory Protection:** None normally required. If dust is generated in enclosed or poorly ventilated areas use respiratory protection at least class P2 respiratory protection.

Physical / Chemical Characteristics

Appearance

- Brown or grayish/ yellowish fibrous material resembling wool. It is supplied in different shapes and sizes wrapped in plastic. It may be rigid or flexible. Facings such as aluminum foil, wire mesh, and synthetic tissues are applied to meet specific purposes.

Properties

- **Odor :** Odorless
- **pH :** 7 - 9
- **Vapor Pressure / Density:** N/A
- **Melting Point:** > 1100 °C
- **Solubility in water:** Insoluble
- **Flammable (Explosive) Limit:** N/A (none - Flammable)
- **Physical State:** Solid
- **Auto-ignition Temperature:** N/A
- **Flash Point:** N/A
- **Relative density for fiber:** Approx. 2.9 g / cm³
- **Product Density :** 30 - 200 kg / m³
- **Boiling Point:** N/A

Stability And Reactivity Data

- **Chemical Stability:** Stable. The cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions.
- **Incompatible Materials:** None. No reported incompatibilities. Acids, alkalis or organic solvents may cause degradation of resin binder.

Toxicological Information

Effects of Acute Exposure

Unprotected exposure to high levels of dust of these products (during installation or removal) may cause discomfort of the nose, throat, and upper and lower respiratory tract, especially in persons suffering from upper respiratory or chest complaints such as hay fever, asthma or bronchitis. Handling repeatedly during installation may cause temporary itching of exposed skin. This is not an allergy and usually disappears quickly, may cause eye discomfort resulting in watering and redness.

Effects of chronic exposure: There are no known long-term health effects.

In October 2001, IARC completed a re-evaluation of respirable mineral wool fibers and classified them in Group 3 (not classifiable as to their carcinogenicity to humans).



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Ecological Information

- **Mobility:** Cured material are not mobile
- **Eco-toxicity:** This product is not classified as a hazardous air pollutant. No specific data is available on ecotoxicity, but estimations based on toxicity information suggest that the materials in these products are not toxic to fish, birds insects or organisms in the environment. No harm to fish or wildlife would be caused by this product.
- **Persistence and Degradability:** Rockwool Insulation is bio-soluble and in most ecosystems it would be expected to solubilize over a period of weeks to months. Binder-coated insulation wool is hydrophobic, and no adverse environmental effects would be expected if accidentally released in water or soil.
- **Ozone Depleting Potential:** No Ozone Depleting Substances are involved in either the manufacture or composition of this product and therefore has an ozone depletion potential of zero.

Disposal Considerations

This product is not toxic to animal and plants or fish , Place in plastic bags or containers and close or seal for disposal in accordance with local authority guidelines. Label as Non - Hazardous insulation wool or as general building waste (non-hazardous), as appropriate to assist local authorities waste disposal sites, and local authorities will usually advise any local handling arrangements at their disposal site.

Transport Information

- **Transport Requirements:** Rockwool Insulation products are not classified as Dangerous Goods and have no special transport requirements.
- **HAZCHEM code:** None allocated.

Regulatory Information

- **Poisons Schedule:** Not scheduled. No specific regulatory requirements are applicable regarding occupational health and safety, consumer protection or environmental protection measures.