

Material Safety Data Sheet

Company:	Shanghai ABM Rock Wool Co., Ltd		
Product Name:	Products based on rock wool	Document No:	MSDS-002
Revision No.:	2	Issue Date:	9 Feb 2012

1 Identification:

1.1 Trade and Synonyms: Rock Wool

Generic name:

Trade Mark name:



1.2 Company address: No.99 Lane 3828, Huqingping Road Shanghai China
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 Fax:+86-21-59752227
 info@cnabm.com

2 Information on ingredient:

Inert rock wool/fiber (Ca-Mg-Al-Silicate) bonded with low amount of organic binder, asbestos free

3 Hazards identification:

3.1 Rock Wool/Fiber

The rock wool/fiber may cause (transient mechanical)irritation to skin
 High dust levels may irritate the throat and eyes

4 First-aid measures

4.1 Skin

If irritation occurs, do not rub or scratch. Rinse under running normal temperature water prior to washing with mild soap and water

4.2 Throat and Eyes

If irritation occurs, flush eyes with water and or drink water to clear throat. Do not rub the eyes. Consult a physician if irritation persists

5 Fire-fighting measures

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

5.1 Suitable extinguishing media

Water, foam, carbon dioxide or dry powder

5.2 Extinguishing media which must not be used for safety reasons.

None

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5.3 Combustion products

Carbon dioxide, carbon monoxide and trace gasses

Special protective equipment for fire-fighters

Observe normal fire fighting procedure

6 Accidental release measures:

No special measures required (see Handling and Storage)

7 Handling and storage:

7.1 Handling

-Unpack material at application site to avoid unnecessary handling of product.

-Keep work areas clean. Dispose of scrap material and debris in suitable containers.

-Spray with water before sweeping or use vacuum equipment.

-Ensure good ventilation. Local exhaust ventilation may be required if the method of use produces dust levels exceeding the maximum exposure limit. The need for ventilation systems should be evaluated by a professional industrial hygienist while a professional engineer should conduct the design of specific ventilation systems.

7.2 Storage

-Keep material in original packaging until it is to be used.

-Store material to protect against adverse conditions including precipitation.

8 Exposure controls/personal protection:

Local regulations may apply.

8.1 Respiratory protection

If dust levels exceed applicable exposure limits, use dust protective mask for convenience

8.2 Hand protection

Wear suitable gloves.

8.3 Eye protection

With heavy dust development, wear a safety goggle

8.4 Skin protection

Wear loose fitting, long sleeved and long-legged, clothing is recommended to prevent irritation. A head cover is also recommended, especially when working with material overhead. Gloves are also recommended. Skin irritation cannot occur if there is no contact with the skin. Do not tape sleeves or pants at wrists or ankles. Remove dust from the work clothes before leaving work to reduce potential skin irritation. If working in a very dusty environment, it is advisable to shower and change clothes.

n.a.=not application

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9 Physical and chemical properties:

9.1 Appearance: Solid, Yellow, Gray-green

9.1.1 Odor: n.a.

9.1.2 pH (a 1000g/H₂O, 25°C): 6-8

9.1.3 Boiling point: n.a.

9.1.4 Melting point: >1000°C

9.1.5 Flash point: n.a.

9.1.6 Flammability: n.a.

9.1.7 Auto flammability: No flammable

9.1.8 Explosive properties: n.a

9.1.9 Oxidizing properties: n.a

9.1.10 Vapor pressure: n.a.

9.1.11 Product density: 40-240kg/m³

9.1.12 Solubility: n.a.

9.1.13 Partition coefficient: n.a.

9.1.14 Other data: n.a.

10 Stability and reactivity:

10.1 Stability Stable

10.2 Reactivity Not reactive

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10.3 Thermal decomposition products

Very few carbon dioxide, carbon monoxide, water, carbon particles from decomposition of binder and dedust mineral oil

11 Toxicological information:

When rock wool is heated above 200°C, this starts a decomposition reaction of the binder or dedust mineral oil, the products of which can be detected by their odor. Emissions usually occur only during the first heating. It is advisable to ensure good ventilation when such appliances are first put into service.

The decomposition products are those that would be expected from any organic (carbon containing) material, and are mainly derived from pyrolysis or burning of the binder or the dedust mineral oil. These decomposition products are mainly carbon dioxide, carbon monoxide, carbon particles, water, and trace gasses (e.g. nitrogen dioxide, sulfur dioxide).

11.1 Coarse fibers

Coarse fibers can cause itching of the skin, foreign body reaction in the upper respiratory system (mucous membranes), and in the eyes. The itching and possible subsequent inflammation are a mechanical reaction to the coarse fibers (of more than about 5 µm in diameter) and are not damaging in the way chemical irritants may be. They generally abate within a short time after the end of exposure. When products are handled continually, the skin itching generally diminishes.

11.2 Respirable fibers

Not classified as carcinogenic material according to IARC (International Agency for Research on Cancer) of WHO (World Health Organization).

According to IARC rock (stone) wool is classified as Group 3, "not classifiable as to its carcinogenicity to humans". (In October 2001, the International Agency for Research on Cancer "IARC", part of the World Health Organization reviewed its 1987 classification of rock wool fibers and removed them from the list of possible carcinogens)

12 Ecological information:

Stable product with no known adverse environmental effects

13 Disposal consideration:

The product can typically be disposed of in an ordinary landfill (local regulation may apply). If you are unsure of the regulations contact the local Department Of Environment.

14 Transport information

No special precautions.

15 Further Information:

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15.1 Health Aspects

IARC Working Group on Man—made Vitreous Fibers – Volume 81 of the IARC Monographs, Lyon, 9-16 October 2001.

Safety in the Use of Rock and Synthetic Fibers, Occupational Safety and Health Series. International Labor Office (ILO).

[North America](#)

Information about “Health and Safety Research on Rock-and Slag-wool” can be obtained at the North American Insulation Manufacturers Association (NAIMA, 44 Canal Center Plaza, Suite 310, Alexandria, VA 22314, USA).

Home-page: <http://www.naima.org>

15.2 Other information

The information contained herein is based upon data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof or that any such use will not infringe upon any patent. This information is furnished as a guide only and upon the condition that the person receiving it shall make tests to determine the accuracy and suitability for his or her own purpose