

Chem Alert Report

Product Name **ROCKFON TILES AND BAFFLES**

IDENTIFICATION

Ingredient	Formula	Conc.	CAS No.
ROCKWOOL		75 - 95%	Not Available
ADDITIVES		<15%	Not Available
BINDING AGENT		2 - 4%	Not Available
ADHESIVE(S)		1 - 2%	Not Available
GLASS TISSUE		2 - 10%	Not Available

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms	TILES AND BAFFLES.		
Appearance	SEALED TILED SOLID		
Odour	ODOURLESS		
Use(s)	INDUSTRIAL APPLICATIONS.		
Supplier	ROCKFON LIMITED, Pencoed, Bridgend, CF35 6NY, United Kingdom		
Stock No.	. .		
Poison Sched	None Allocated	Hazchem None Allocated	UN No. None Allocated
Pkg Group	None Allocated	EPG None Allocated	D.G Class None Allocated Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary	Low toxicity. Due to product encapsulation, no adverse health effects are anticipated, unless cut, sanded, drilled or damaged. Use safe work practices to avoid fibre generation - inhalation. Glass wool, rock (stone) wool and slag wool are now considered not classifiable as to carcinogenicity to humans (IARC Group 3).
Eye	Irritant. Exposure to fibres may result in lacrimation, pain and redness. Due to product encapsulation, a hazard is not anticipated unless panels are cut, drilled or damaged.
Inhalation	Irritant. Exposure to fibres may result in mucous membrane irritation of the respiratory tract. Glass wool, rock (stone) wool and slag wool are now considered not classifiable as to carcinogenicity to humans (IARC Group 3). Due to product encapsulation, an inhalation hazard is not anticipated.
Skin	Irritant. Fibre exposure may result in itching, redness and skin rash. Due to product encapsulation, fibre generation is unlikely unless product is cut or damaged.
Ingestion	Not applicable.

PRECAUTIONS

Flammability	Non flammable. No fire or explosion hazard exists.
Reactivity	Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).
Ventilation	Use with adequate natural or mechanical ventilation during installation. If cutting, local extraction ventilation is recommended. Clean area with micro equipped vacuum cleaner or by wet sweeping.

PERSONAL PROTECTIVE EQUIPMENT

PPE	No personal protective equipment is normally required. However, if the potential for fibre generation exists, wear dust-proof goggles, PVC/rubber gloves, a Class P1 (Particulate) respirator and coveralls.
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NO PPE REQUIRED

EMERGENCY

Spillage	If product is damaged, seal and minimise fibre release. Wear dust-proof goggles, PVC/rubber gloves, a Class P2 (Particulate) respirator and coveralls. Clean area using approved micro-filter equipped vacuum cleaner or wet sweep. Reuse where possible or place in a sealable plastic bag for safe disposal to an approved landfill.
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**Colour
Rating
GREEN**

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EMERGENCY cont.

Fire and Explosion

Non flammable. No fire or explosion hazard exists.

Extinguishing Not applicable.

FIRST AID

Eye Flush gently with running water. Seek medical attention if irritation develops.

Inhalation If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

Skin Gently flush affected areas with water.

Ingestion Ingestion is considered unlikely. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

SAFE HANDLING

Storage Store in cool, dry area, removed from moisture, oxidising agents, acids and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Waste Disposal Place in sealed, appropriately labelled plastic bags and dispose of to landfill.

Transport Not regulated for transport purposes.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: NOT AVAILABLE
Exposure Standard: NOT AVAILABLE
pH: NOT AVAILABLE
Specific Gravity: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): NOT AVAILABLE
Upper Explosion Limit: NOT RELEVANT

ADDITIONAL INFORMATION

ADDITIONAL INFORMATION FOR : ADHESIVE(S)

Concentration in this product : 1 - 2%

ADDITIONAL INFORMATION FOR : BINDING AGENT

Concentration in this product : 2 - 4%

ADDITIONAL INFORMATION FOR : GLASS TISSUE

Concentration in this product : 2 - 10%

HEALTH HAZARDS - INHALATION
TWA : NOT AVAILABLE

ADDITIONAL INFORMATION FOR : ADDITIVES

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ADDITIONAL INFORMATION cont.

Concentration in this product : <15%

ADDITIONAL INFORMATION FOR : ROCKWOOL

Concentration in this product : 75 - 95%

HEALTH HAZARDS - HEALTH HAZARD SUMMARY

In general 50 - 80 % of rockwool fibre diameter is in the range of 5-6 microns with approximately 25% in the less than 3 micron range (respirable). NOHSC have established exposure standards of 0.5 fibres/ml for respirable fibres and 2.0 fibres/ml for inspirable fibres. Fibres of a diameter less than 3 microns are classified as "respirable". Diameters of 3 microns or greater are classified as "non respirable". Although air monitoring during most application procedures has shown that levels do not normally exceed these levels, Risk Management Technologies recommend respiratory protection due to the potential for chronic health effects. The issue of carcinogenicity in humans continues to be studied a conservative approach is recommended until conclusive evidence is available. Glass wool, rock (stone) wool and slag wool are now considered not classifiable as to carcinogenicity to humans (Group 3).

HEALTH HAZARDS - INHALATION

TWA : 0.5 fibre/mL (respirable fibre)

ADDITIONAL SAFE HANDLING INFORMATION

RESPIRABLE FIBRES: If fibres have a diameter of less than 3 microns, length greater than 5 microns, and a length to width ratio greater than 3:1, these are classified as 'respirable fibres'. When inhaled, respirable fibres are able to reach the lower region of the lungs, where, depending on the chemical nature of the fibre(s), chronic health effects may develop.

SYNTHETIC MINERAL FIBRES (SMF): Refers to synthetic fibrous inorganic substances made primarily from rock, clay, slag or glass. These fibres may be divided into three general groups; (i) GLASSFIBRES or FIBREGLASS (comprising glasswool and glass filament), (ii) ROCKWOOL/ SLAGWOOL, and (iii) CERAMIC FIBRES. If any of the fibres are classified as "respirable", they can be inhaled into the deepest part of the lungs.

GLASSWOOL (FIBREGLASS) - ROCKWOOL - MINERAL WOOL TILES: Please note that stringent standards are required when installing fibrous glass and ceramic materials. NOHSC and Building Industry Standards and procedures exist for the use of these products.

GLASSWOOL (FIBREGLASS): MINERAL FIBRE Worksafe exposure standards for synthetic mineral fibres are:*
TWA for respirable fibres: 0.5 fibres/mL* TWA for non respirable (inspirable) fibres > 3 microns: 2.0 mg/m3It should be noted that these levels should be used as a guide only and all measures taken to keep levels as low as practicable.

The additives are described by the manufacturer as paint that is made of approximately 95% of chalk and calcium and is a water based acrylpolymer.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

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ADDITIONAL INFORMATION cont.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

STATUS OF CHEM ALERT REPORTS

Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

Last Reviewed : 11th June 2004

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END OF REPORT