

## Safety data sheet

**Manufacturer** : Knauf AMF GmbH & Co. KG, Germany

**Product** : AMF-THERMATEX Acoustic Range

**Revised** : 11.11.2016

### 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product:** Mineral board AMF-THERMATEX  
Acoustic - dB Acoustic - SF Acoustic - Acoustic RL - Acoustic Medical  
Alpha white/colour - Alpha ONE - Alpha HD - Thermofon  
Silence - Aquatec - Varioline - Antaris

**Manufacturer:** Knauf AMF GmbH & Co.KG,  
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Germany  
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31 Military Road  
NSW 2036 Matraville  
Australia  
Phone: +61 (02) 8198 9900  
Fax: +61 (02) 8198 9911  
Mobil: +61 (0) 433 305 222

**Emergency Phone Number:** 000 Fire Brigade and Police (available in Australia only)

**Poison Information Centre:** 13 11 26 (available in Australia only)  
0800 764 766 (New Zealand)

### 2 HAZARD IDENTIFICATION

**STATEMENT OF HAZARDOUS NATURE:** Classified as **Non-Hazardous** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances (NOHSC:1008) 3rd Edition.

**AMF-THERMATEX Acoustic Range Mineral boards** are classified as **Non-Dangerous** Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### General composition:

Name:	Proportion:	CAS Number
Mineral wool	< 70%	65997-17-3
Starch	< 10%	9005-25-8
Clay	< 30%	14808-60-7
Continuous filament glass fiber, non-respirable		65997-17-3
In-/Organic fillers	< 30%	---

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Free from asbestos and formaldehyde additives.

Mineral board coated with glass fleece with added i.e. coupling agent, film former and Polymeric resin/emulsion.

The paint finish consists of modified PVA emulsion polymer, inorganic pigments and texturing agents.

Ingredients determined to be non-hazardous.

### 4 FIRST AID MEASURES

#### Description of first aid measures:

**General information:** No special measures required.

**In case of eye contact:** Remove particle carefully. Thoroughly rinse open eyes under running water for 15 min. Do not rub or scratch eyes. Seek medical help if necessary.

**In case of ingestion:** Drink plenty of water and seek medical advice.

**In case of inhalation:** Remove person to fresh air.

**In case of skin contact:** No special measures required.  
In case of irritation (e.g. glass fiber):

- Wash off immediately with soap and cold water.
- DO NOT use warm water because this will open up the pores of the skin
- DO NOT rub or scratch affected areas.
- Remove contaminated cloth.

**Information:** If any symptoms persist, seek medical attention immediately.

#### Most important symptoms and effects, both acute and delayed:

No information available.

#### Indication of any immediate medical attention and special treatment needed:

No information available.

**Advice to Doctor** This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

### 5 FIRE FIGHTING MEASURES

THERMATEX Acoustic Range mineral boards are classified as a non-combustible material. There are no special risks associated with the products, and they do not constitute a fire hazard. There are no known reactions to normal fire fighting agents.

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The binder of the glass fleece is combustible and could release small quantities of hazardous gas in case of major and prolonged heat or fire.

Packaging materials are flammable.

**Suitable extinguishing media:**

Use carbon dioxide, foam, dry chemical or water spray to extinguish, as required for fire in surrounding materials.

**Special protective precautions and equipment for fire fighters:**

As required for fire in surrounding materials.

**HAZCHEM Code:** Not applicable

### 6 ACCIDENTAL RELEASE MEASURES

**Containment Procedure:**

If product is damaged, seal and minimise fibre release.  
Avoid contact with the skin and the eyes (glass fiber).

**Clean up Procedure:**

Clean area using approved micro-filter equipped vacuum cleaner or wet sweep. Reuse where possible or place in sealable plastic bag for safe disposal to an approved landfill.

### 7 HANDLING AND STORAGE

**Handling**

Handling, installing or removing AMF-THERMATEX Acoustic Range Mineral boards may generate small amounts of dust, particularly if the Panels require cutting. Once installed, panels do not release dust or fibres. Manual handling should be in accordance with Manual handling Regulations and Codes.

**Storage**

Store in cool, dry area. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Stack safely max. 3 pallets on top of each other (except fragile goods, special products and other storage conditions depending on the country)

**Incompatibilities:** None

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Limits**

National Occupational Exposure Standard (NES), Australian Safety & compensation Council, ASCC (formerly NOHSC)

None allocated for this product.

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### CSR recommends the following:

Airborne respirable fibres:	TWA - 0,5 fibres/ml
Non-respirable fibres (inspirable dusts):	TWA - 2,0 mg/m <sup>3</sup>
Total dust (of any type, or particle size):	TWA - 10 mg/m <sup>3</sup>

### Notes on Exposure Standards:

All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the National Standard.

TWA (Time Weighted Average): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

### Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

## ENGINEERING CONTROLS

### Ventilation:

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

### Special Consideration for Repair &/or Maintenance of Contaminated Equipment:

Work areas should be cleaned regularly and vacuuming or wet sweeping is recommended. Recommendations on Exposure Control and Personal Protection should be followed.

## PERSONAL PROTECTION

### Personal Hygiene

Work clothes should be washed regularly and separately from other clothes. Wash hands before eating, drinking, using the toilet, or smoking.

### Skin Protection:

Direct skin contact can be minimised by wearing long sleeved shirts and long trousers, a cap or hat, and standard duty gloves conforming to Australian Standard AS 2161.

### Eye Protection:

When handling AMF-THERMATEX mineral boards, particularly overhead or in enclosed or poorly ventilated areas such as ceiling spaces or risers, eye contact with dust or fibre can be avoided by wearing ventilated nonfogging dust resistant goggles conforming to Australian and New Zealand Standards AS/NZS 1336.

### Respiratory Protection:

When handling AMF-THERMATEX mineral boards, particularly during work in enclosed or

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poorly ventilated areas, an approved particulate respirator conforming to Australian and New Zealand Standards AS/NZS 1715 and 1716 is recommended. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.

**Thermal Protection:**

None should be needed under normal circumstances.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid panels
<b>Odour:</b>	no persisting odour
<b>Solubility:</b>	insoluble in water (loss of hardness)
<b>Specific Gravity (20°C):</b>	not available
<b>Relative Vapour Density (air=1):</b>	not applicable
<b>Vapour Pressure (20°C):</b>	not applicable
<b>pH at 25°C in water(1000g/l H<sub>2</sub>O):</b>	approx. 6,8-8,5
<b>Freezing/Melting Point (°C):</b>	not applicable / >1000°C
<b>Specific gravity:</b>	140 – 450kg/m <sup>3</sup>

#### FLAMMABLE MATERIALS

<b>Flash Point (°C):</b>	not applicable
<b>Flammability Limits (%):</b>	not applicable
<b>Autoignition Temperature (°C):</b>	not applicable
<b>Melting Point/Range (°C):</b>	not applicable
<b>Boiling Point/Range (°C):</b>	not applicable

### 10 STABILITY AND REACTIVITY

**Chemical stability:**

This material is thermally stable when stored and used as directed.

**Conditions to avoid:**

Elevated temperatures and sources of ignition. Dust generation

**Incompatible Materials:**

Oxidising agent; direct contact with aqueous solutions

**Hazardous decomposition products:**

Oxides of carbon and nitrogen, smoke and other toxic fumes.

See Section 5 of MSDS for hazardous decomposition products during a fire.

**Hazardous reactions:**

No known hazardous reactions.

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### 11 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

#### Health Effects – Acute (short term)

- **Inhalation:** Material may be irritant to mucous membranes and respiratory tract.
- **Skin contact:** Repeated or prolonged skin contact may lead to irritation.
- **Eye contact:** If dust gets into the eyes it may cause eye discomfort resulting in watering and redness.  
Exposure to dust may aggravate pre-existing eye conditions and may cause physical irritation to the eyes.
- **Swallowed:** Unlikely under normal conditions of use, but can result in nausea, vomiting and irritation of the gastrointestinal tract.

#### Health Effects – Chronic (long term)

There are no known long term health effects.

The mineral wool fibre in this product is bio-soluble, i.e. any fibres inhaled into the lungs dissolve in body fluids and are then cleared from the lungs.

Knauf AMF declares that the mineral fibres used by Knauf AMF to produce ceiling products sold in Australia and New Zealand meet the low biopersistence set by the European Union under EC No 1272/2008. Note: Safe Work Australia have adopted EC No 1272/2008 as part of the classification criteria of hazardous substances.

#### Acute toxicity/Chronic toxicity

No LD50 data available for the product.

### 12 ECOLOGICAL INFORMATION

Avoid contaminating waterways. No data available for the product.

However, for the constituent:

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Mobility:** No information available.

### 13 DISPOSAL CONSIDERATIONS

Disposal at an ordinary landfill site in accordance with local regulations.

The panels can be treated as a common waste for disposal or dumped into a landfill site in

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accordance with local authority guidelines.

Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed.

### 14 TRANSPORT INFORMATION

**Road and Rail Transport:**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**Marine Transport:**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport:**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### 15 REGULATORY INFORMATION

**Poisons Schedule:** not scheduled

### 16 OTHER INFORMATION

**For further information on this product, please contact:**

Knauf AMF Australia, New Zealand and Papua New Guinea  
31 Military Road  
NSW 2036 Matraville  
Australia  
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**Australian Standards References:**

AS/NZS 1336 Recommended Practices for Occupational Eye Protection

AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices

AS/NZS 1716 Respiratory Protective Devices

AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

**Other References:**

NOHSC:2011(2003) - National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition, April 2003, National Occupational Health and Safety Commission.

NOHSC:10005(1999) - List Of Designated Hazardous Substances, April 1999, National Occupational Health and Safety Commission, Sydney.

NOHSC:2007(1994) - National Code of Practice for the Control of Workplace Hazardous Substances (Australian States have similar Codes of Practice in each State).

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NOHSC: 2012(1994) - National Code of Practice for the Labelling of Workplace Substances, March 1994, Australian Government Publishing Service, Canberra.

NES - National Occupational Exposure Standards for Workplace Atmospheric Contaminants (NES) Australian Safety and Compensation Council, ASCC (formerly NOHSC) 1995 as amended.

ADG Code - Australian Dangerous Goods Code 6th Edition.

EC No 1272/2008 – Regulation on classification, labelling and packaging of substances and mixtures

### AUTHORISATION

Reason for Issue: Updated products, implementation of EC No 1272/2008

Authorised by: Alex Mayer

Date of Issue: 11/11/2016

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Whilst the information contained in this document is based on data which, to the best of our knowledge, was accurate and reliable at the time of preparation, no responsibility can be accepted by us for errors and omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Since we cannot anticipate or control the conditions under which the product may be used, each user must. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information. Prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Knauf AMF company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

END OF MSDS