

Issued: 10.02.2020

Revision: V3.0

Revision date: 23.11.2023

THERMAX fire protection and thermal insulation board
01. Identification of the substance/ mixture and of the company/ undertaking

- 01.1.Product identifier:** **THERMAX A/ THERMAX SN/ THERMAX SL/ THERMAX WD**
- 01.2.Relevant identified uses of the product and uses advised against:** Non-combustible boards or moulded parts for various applications as insulation, construction and fire protection material. For industrial and professional use.
- In accordance with Regulation (EC) 1907/2006 (REACH), the product is considered an article, for which a safety data sheet is not required. The following information is only indicative in order to ensure safe use of the product.
- 01.3.Details of the supplier of the safety data sheet:**
- Manufacture/ Supplier:* **Mineralka d.o.o. Niederlassung Austria** | Nordlandstraße 1 | A-3300 Amstetten | Austria
Telefon: +43-7472-68566-0 | E-Mail: info@thermax.at
- Qualified person (E-Mail):* E-Mail: info@at.tp-group.com
- 01.4.Emergency telephone number:** European emergency telephone number: 112
- Austria:** **Vergiftungsinformationszentrale (VIZ)**
Notruf 0-24 Uhr: +43 1 406 43 43
Bürozeiten: Montag bis Freitag, 8 bis 16 Uhr, Tel.: +43 1 406 68 98

02. Hazards identification

- 02.1.Classification of the product:**
- Classification acc. to Reg. (EC) 1272/2008:* This product is not classified as dangerous substance/ mixture according to Regulation (EC) 1272/2008.
- Hazard statements:* No hazard statements.
- 02.2.Label elements:**
- Hazard determining component:* No hazard statements.
- Hazard statements:* No hazard statements.
- Precautionary statements:* No precautionary statements.
- 02.3.Other hazards:** The product has no other known specific hazards for human or environment.
Results of PBT and vPvB assessment: This product does not contain any components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher in accordance with Annex XIII of Regulation 1907/2006/EC.
Endocrine disrupting property: The product does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

03. Composition/ information on ingredients

- 03.3.Product:**
- Chemical characterization/ Description:* Iron-Aluminium-Magnesium-Silicate (Vermiculite-fire protection board)
- Dangerous components:* The product does not contain any hazardous substances that must be listed in Chapter 3 in accordance with Regulation (EU) No. 2020/878, Annex II, Part A, 3.1/3.2.
- It does not contain any other substance considered to be hazardous to health or to the environment or its concentration does not reach the level specified in the relevant legislation and therefore it does not need to be included in the safety data sheet

04. First aid measures

- 04.1.Description of first aid measures:**
- General information:* No measures required.

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After skin contact:	No effect.
After eye contact:	In case of exposure to dust, rinse eyes with running water for several minutes with eyelids open.
After inhalation:	No effect.
After ingestion:	No effect.
04.2. Most important symptoms and effects, both acute and delayed:	No acute and delayed symptoms and effects known.
04.3. Indication of any immediate medical attention and special treatment needed:	No special treatment needed; treat symptomatically
05. Firefighting measures	
05.1. Extinguishing media:	The product is non-combustible; the type of extinguishing media used in the event of a surrounding fire is not relevant.
05.2. Special hazards arising from the product:	The product is non-combustible.
05.3. Advice for firefighters:	No special precautions required
06. Accidental release measures	
06.1. Personal precautions, protective equipment and emergency procedures:	No special precautions required.
06.2. Environmental precautions:	No special precautions required.
06.3. Methods and material for containment and cleaning up:	Take up mechanically; remove accumulated dust with vacuum cleaner.
06.4. Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.
07. Handling and storage	
07.1. Precautions for safe handling:	Observe conventional hygiene precautions.
Technical measures:	Wear loose fitting, closed work clothing and suitable gloves. Wear at excessive dust impact goggles and a dust mask. Extract machining dust in principle. Remove machining dust after work.
Information about protection against explosions and fires:	The product is non-combustible. No special measures required.
07.2. Conditions for safe storage, including any incompatibilities:	
Technical measures and storage conditions:	Protect from frost; store dry. Store only on original pallets.
Incompatible materials:	See section 10.5.
Packaging material:	No special prescriptions.
Storage class (acc. TRGS 510):	13 (Non-flammable solids that cannot be assigned to any of the above mentioned storage classes).
07.3. Specific end use(s)	This product should be used for the applications in section 1.2.

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08. Exposure controls/ personal protection
08.1. Control parameters:

Occupational exposure limits: The product does not contain any relevant quantities of substances with work-place-related, substance-specific limit values to be monitored.

Austria: (BGBI. II – issued 9. April 2021 – Nb. 156):
The components of the product are not regulated with exposure limits.

DNEL/ PNEC: No data.

08.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

Appropriate engineering controls: No further data; see Section 7.

Individual protection measures, such as personal protective equipment:

General protective and hygienic measures: The usual precautionary measures should be adhered during processing.

Skin protection: Not mandatory.

Eye/ face protection: At excessive dust impact, use appropriate protective glasses.

Respiratory protection: At excessive dust impact, use appropriate dust mask.

Hand protection: Not mandatory.

Thermal hazards: No thermal hazards known.

Environmental exposure controls: No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

09. Physical and chemical properties
09.1. Information on basic physical and chemical properties:

Physical state: Solid; board.

Colour: Beige.

Odour: None.

Melting point/ freezing point: > 1250°C/ not applicable.

Boiling point/ Boiling range: Not applicable.

Flammability: Not applicable.

Lower and upper explosion limit: Not applicable.

Flash point: Not applicable.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not relevant.

pH: Not determined.*

Viscosity (kinematic): Not applicable.

Solubility in/ Miscibility with: Not relevant.

Partition coefficient n-octanol/water (log value): Not relevant.

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Vapour pressure:	Not relevant.
Density:	350 to 980 kg/m ³
Relative vapour density:	Not relevant.
Particle characteristics:	Not relevant.

09.2.Other information: No further relevant information available.

* The manufacturer has not carried out any tests on this parameter of the product or the results of the tests are not available at the time of publication of the data sheet or the property does not apply to the product.

10. Stability and reactivity

10.1.Reactivity:	No reactivity known.
10.2.Chemical stability:	No thermal decomposition.
10.3.Possibility of hazardous reactions:	No hazardous reactions known.
10.4.Conditions to avoid:	No conditions to avoid known.
10.5.Incompatible materials:	No incompatible materials known.
10.6.Hazardous decomposition products:	No hazardous decomposition products known.

11. Toxicological information

11.1.Information on toxicological effects:

<i>Acute toxicity:</i>	Based on available data, the classification criteria are not met.
<i>Skin corrosion/ irritation:</i>	Based on available data, the classification criteria are not met.
<i>Eye damage/ irritation:</i>	Based on available data, the classification criteria are not met.
<i>Respiratory or skin sensitisation:</i>	Based on available data, the classification criteria are not met.
<i>Germ cell mutagenicity:</i>	Based on available data, the classification criteria are not met.
<i>Carcinogenicity:</i>	Based on available data, the classification criteria are not met.
<i>Reproductive toxicity:</i>	Based on available data, the classification criteria are not met.
<i>STOT – single exposure:</i>	Based on available data, the classification criteria are not met.
<i>STOT – repeated exposure:</i>	Based on available data, the classification criteria are not met.
<i>Aspiration hazard:</i>	Based on available data, the classification criteria are not met.

Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposures:

Based on our experience and the information available, no adverse effects on health are to be expected if used and handled properly.

Interactive effects:

No data available.

Absence of specific data:

No information.

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11.2. Information on other hazards:

<i>Endocrine disrupting properties:</i>	The product does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.
<i>Other information:</i>	No data available.

12. Ecological information

12.1. Toxicity:	Based on available data, the classification criteria are not met. The product has not been tested.
12.2. Persistence and degradability:	No adverse effects expected.
12.3. Bioaccumulative potential:	No adverse effects expected.
12.4. Mobility in soil:	No further relevant information available.
12.5. Results of PBT and vPvB assessment:	The product does not contain any components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher in accordance with Annex XIII of Regulation 1907/2006/EC.
12.6. Endocrine disrupting properties:	The product does not contain any components considered to have endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.
12.7. Other adverse effects:	No further relevant information available.
<i>Water hazard class:</i>	(WGK, German regulation, self-classification): 0 - non-hazardous for water.

13. Disposal considerations

13.1. Waste treatment methods:

Disposal according to the local regulations	
<i>Recommendation:</i>	Dispose of in accordance with the applicable regulations. No hazardous ingredients; harmless to building biology.
<i>Disposal consideration:</i>	Construction waste, containing no hazardous substances.
<i>List of waste code:</i>	No waste disposal key according to the List of Waste Code (LoW code) can be determined for this product, as only the purpose of application defined by the user enables an allocation. The LoW code number has to be determined after a discussion with a waste disposal specialist.
<i>Recommendations about disposal of packaging:</i>	Dispose of in accordance with applicable regulations.
<i>Physical/chemical properties that may affect waste treatment options shall be specified:</i>	
No data available.	
<i>Sewage disposal:</i>	No data available
<i>Special precautions for any recommended waste treatment</i>	No data available

14. Transport information

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General information regarding transport:	ADR/ RID; ADN; IMDG; IATA Not subject to the agreements on the transport of dangerous goods. Not dangerous goods.
14.1. UN number or ID number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.
14.4. Packing group:	No dangerous good in sense of these transport regulations.
14.5. Environmental hazards:	Not hazardous to the environment.
14.6. Special precautions for user:	No special measures required if used properly.
14.7. Maritime transport in bulk according to IMO instruments::	Not relevant.

15. Regulatory information
15.1. Safety, health and environmental regulations/ legislation specific for the product:

EU regulations:	No further relevant information available.
Regulation (EC) 1907/2006	of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21.
Regulation (EC) 1272/2008	of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006.
Regulation (EU) 2020/878	of the Commission of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
National regulations:	No further relevant information available.
TRGS 510 (DE)	Technical rules for hazardous substances: Storage of hazardous substances in transportable containers - GMBI 2021 p. 178-216 [No. 9-10] (dated 16 February 2021)
WGK (DE)	Regulation on Installations for the Handling of Substances Hazardous to Water (AwSV) (Classification of mixtures according to Annex 1, No. 5 AwSV)

15.2. Chemical safety assessment:	A chemical safety assessment has not been carried out.
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16. Other information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual relationship.

Information reg. the revision of the SDS:	The safety data sheet has been issued and revised according to Regulation (EU) 2020/878 (Section 1-16).
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This safety data sheet supersedes all previous versions according to Annex II of Regulation (EC) No 1907/2006.

SDS according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878).

Literature references/ data sources:	Previous version of the safety data sheet (revision 2.0, dated 10. 02. 2020)
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Methods used for the classification acc. to Regulation (EC) 1272/2008:	Based on the calculation method carried out on the basis of the known hazards of the components, not considered as a hazardous product.
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Relevant hazard statements (code and full text) of Section 2 and 3:

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No relevant statements.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road.
AGW	Workplace exposure limit
ATE	Acute Toxicity Estimate.
AOX	Adsorbable organic halides.
AwSV	Regulation on facilities for handling substances hazardous to water (German law)
BCF	Bioconcentration factor.
BOD	Biological Oxygen Demand.
CAS	CAS number: Chemical Abstract Service number.
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR	CMR effects: Carcinogenic, mutagenic, reprotoxic effects.
COD	Chemical Oxygen Demand.
CSA	Chemical Safety Assessment.
CSR	Chemical Safety Report.
DNEL	Derived-No-Effect-Level.
ECHA	European Chemical Agency.
EC	European Community; EG number: EINECS and ELINCS numbers
EEC	European Economic Community
EEA	European Economic Area (EU + Iceland; Liechtenstein and Norway)
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European Norm.
EU	European Union.
EuPCS	European Product Categorisation System.
EWC	European Waste Catalogue (replaced by LoW)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.
IATA	International Air Transport Association.
ICAO-TI	Technical Instruction for the Safe Transport of Dangerous Goods by Air.
IMDG	International Maritime Dangerous Goods.
IMO	International Maritime Organization.
IMSBC	International Maritime Solid Bulk Cargoes.
IUCLID	International Uniform Chemical Information Database.
IUPAC	International Union of Pure and Applied Chemistry.
Kow	n-Octanol – Water Partition Coefficient.
LC50	Lethal concentration resulting in 50% mortality.
LD50	Lethal dose resulting in 50% mortality (median lethal dose).
LoW	List of Waste.
LOEC	Lowest Observed Effect Concentration.
LOEL	Lowest Observed Effect Level.
NOEC	No Observed Effect Concentration.
NOEL	No Observed Effect Level.
NOAEC	No Observed Adverse Effect Concentration.
NOAEL	No Observed Adverse Effect Level.
OECD	Organization of Economic Cooperation and Development.
OSHA	Occupational Safety and Health Administration.
PBT	Persistent, Bioaccumulative and Toxic.
PNEC	Predicted No Effect Concentration.
QSAR	Quantitative Structure Activity Relationship.
REACH	Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA	Self Contained Breathing Apparatus.
SDS	Safety Data Sheet.
STOT	Specific Target Organ Toxicity.
SVHC	Substances of Very High Concern.
TRGS	Technical rules for hazardous substances
TWA	Temporary work assignment.
UN	United Nations.
UVCB	Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.
VOC	Volatile Organic Compound.
vPvB	very Persistent and very Bioaccumulative
WGK	Water hazard class

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product

End of safety data sheet