

SAFETY DATA SHEET

According to Regulation EC No.1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperTherm TB 20

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product Name	ExperTherm TB 20
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1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Cement based adhesive for thermal insulation board - for professional and consumer users.

1.3 Details of the supplier of the safety data sheet:

Company:	GÜVEN MADENCİLİK İNŞ. ve TİC. AŞ.
Address:	Ege Perla B Kule Kat:23 No:231/232 Konak İZMİR
Telephone:	+90 (232) 422 03 93
Related person for SDS e- mail address	Abdurrahman SAL asal@okkagroup.com.tr

1.4 Emergency telephone number:

Emergency Phone:	+90 (232) 422 03 93
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2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)	
Health hazards	Skin irritation, Category 2, H315
	Skin Sensitization, Category 1B, H317
	Eye Damage, Category 1, H318
	STOT Single Exposure. Category 3, H335

SAFETY DATA SHEET

According to Regulation EC No.1907/2006 (REACH) with its amendment
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ExperTherm TB 20

2.2. Label elements

Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)

Hazard Pictograms:		
Signal word	Danger	
Hazard statements	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H335: May cause respiratory irritation.	
Precautionary statements		
Prevention	P102: Keep out of reach of children. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash with water thoroughly after handling P271: Use only outdoors or in a well-ventilated area. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection.	
Response	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P321: Specific treatment (see supplemental first aid instruction on this label). P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse.	
Storage	P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.	
Disposal	P501: Dispose of contents and container to in accordance with local and national regulation.	

Hazard content(s): Portland cement clinker.

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ExperTherm TB 20

2.3 Other hazards:

Does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII.

Quartz (SiO₂)

Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

Portland cement clinker

The product contains chromate reducing agent. If the storage conditions are not appropriate or the storage period is exceeded, the effectiveness of the reducing agent can diminish, and the cement can become skin sensitising. Cement dust may cause an allergic reaction in some individuals due to the water soluble Cr(VI) content.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances

Not application.

3.2 Mixture

Description: Mixture of substances listed below with non hazardous additions.

Components			
Chemical Name	Product Identifier	Content (%)	Classification (CLP) (No1272/2008)
Limestone (substance with a Community workplace exposure limit)	Cas No: 1317-65-3 EC No: 215-279-6	<80	-
Portland cement clinker	Cas No:65997-15-1 EC No: 266-043-4	<30	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335

H phrases full text of: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

General Information: No special measures required. Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If discomfort, coughing or persistent irritation, seek medical attention.

Skin contact: Immediately wash with water and soap and rinse thoroughly. Immediately remove all soiled and contaminated clothing. Wash contaminated clothes before re-use. Clean contaminated shoes before re-use. If skin irritation continues, consult a medical professional.

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According to Regulation EC No.1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
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ExperTherm TB 20

Eye contact: Do not rub eyes because this can cause additional damage. Rinse cautiously with water for several minutes or if possible, with isotonic eyewash solution (e.g. 0.9% NaCl). Remove contact lenses, if present and easy to do. Continue rinsing. Always consult a medical professional.

Ingestion: Do not induce vomiting. If physically able, rinse mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Consult a medical professional or poison control center.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/ effects: Product dust may cause mechanical irritation to the skin and mucous membranes.

Symptoms/effects after inhalation: May cause respiratory irritation. Cough, breathlessness.

Symptoms/effects after skin contact: May cause an allergic skin reaction. May cause moderate irritation. Repeat or prolonged skin contact may cause irritation progressing to a burn.

Symptoms/effects after eye contact: Causes serious eye damage. Redness, burning, eye irritation may occur.

Symptoms/effects after ingestion: Large amount: Burns or irritation of the linings of the mouth, throat and gastrointestinal tract. Nausea, vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the product

Special hazards: No further relevant information available.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear full protective clothing.

Advice for firefighters: No special measures required. Use methods suitable to surrounding conditions. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust. Avoid inhalation, eye and skin contact. Ensure adequate ventilation. Use personal protective equipment as specified in Section 8.

6.2 Environmental precautions

Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground.

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SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
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ExperTherm TB 20

6.3 Methods and material for containment and cleaning up

Collect spilled dry material and use if possible. Avoid formation of dust. For cleaning, use an industrial vacuum cleaner. Never use compressed air for cleaning. It is necessary to use personal protective equipment during dry cleaning in case of dust exposure and inhalation. Avoid inhalation of emerging dust and contact with skin. Dispose of collected material or wastes according to local regulations. Dispose of the wastes according to Article 13.

6.4 Reference to other sections

Wear protective clothing as shown in Section 8 of this Safety Data Sheet. See section 7 for safe handling. See section 13 for disposal of wastes.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Do not breath dusts. Avoid contact with skin and eyes. Keep out of reach of children.

Hygiene measures: Do not eat, drink or smoke when using this product. Work with industrial hygiene standards and common rules to prevent inhalation, ingestion, exposure to the skin and eyes during use of chemicals. Remove contaminated clothing and wash before using again. Wash thoroughly after handling. There should be eye and body showers in the process area and where it is used. All packages should be handled with care and when not in use; should be kept tightly closed. Follow the instructions for use specified by the supplier.

7.2. Conditions for safe storage, including any incompatibilities

Storage measures: Store in cool, a well-ventilated and dry place in tightly closed containers. Protect from moisture and water. Store locked up. Keep out of reach of children. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Specific end use(s): No additional information available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

(Cas No:65997-15-1)- Portland cement

- United Kingdom-Occupational Exposure Limits
WEL TWA (OEL TWA): 10 mg/m3 inhalable dust
5 mg/m3 respirable dust
Regulatory reference:EH40/2005 (Fourth edition, 2020). HSE

SAFETY DATA SHEET

According to Regulation EC No.1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperTherm TB 20

(Cas No: 1317-65-3)-Limestone

- United Kingdom-Occupational Exposure Limits
WEL TWA (OEL TWA): 10 mg/m³ total inhalable
4 mg/m³ respirable
Regulatory reference:EH40/2005 (Fourth edition, 2020). HSE
- TWA (Italy) Long-term value: 10 mg/m³

8.2. Exposure controls

8.2.1 Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2 Personal protective equipment

Safety glasses. Protective clothing. Gloves. Dust production: dust mask with filter type P2

Eye/face protection: Use safety goggles that have been tested and approved in accordance with standards such as EN 166 (EU). Don't wear contact lenses.

Protection of hands: Use chemical-resistant protective gloves complying with EN 374. Glove material selection should be made considering contact time, diffusion and deterioration rates. If the product consists of a mixture of several materials, the glove material durability can not be calculated in advance and in this case the glove material must be checked prior to application. You can consult the manufacturer and Occupational Safety Specialist of the glove material selection.

Other skin protection: Wear suitable protective clothing.

Health precautions: Avoid contact with skin, eyes and contaminated clothing. If skin is contaminated, wash with soap and plenty of water. Wash your hands before and at the end of the break. Do not take contaminated clothing out of the workplace. Ensure that eyewash stations and emergency showers are close to where the work area is located.

General protective and hygiene measures: The usual precautionary measures are to be adhered to when handling chemicals. Do not breathe dusts. Avoid contact with skin, eyes and contaminated clothing. Keep away from food, drink and animal feedingstuffs.

Respiratory protection: In order to avoid inhalation of dust, all sanding must be done wearing adequate respirator. Dust mask P2.

8.2.3 Control of environmental exposure

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance <i>Physical state</i> <i>Colour</i>	Solid/Powder Grey
Odour	Odourless
Solubility	No data available.
Initial boiling point and boiling range	No data available.

SAFETY DATA SHEET

According to Regulation EC No.1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperTherm TB 20

Melting point	No data available.
Ph value	≥ 12
Flash point	No data available.
Auto-ignition temperature	No data available.
Upper/lower flammability or explosive limits	No data available.
Flammability	No data available.
Bulk density	No data available.
Relative density	1,20 gr/cm ³
Vapour pressure	No data available
Specific gravity	No data available.
Viscosity	No data available.
Partition coefficient (n-octanol/water)	No data available.
Oxidising properties:	No data available.
Explosive Properties:	No data available.
Particle characteristics	No data available.

9.2 Other informations

No data available.

10. STABILITY AND REACTIVITY

10.1.Reactivity

No data available.

10.2.Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3.Possibility of hazardous reactions

No dangerous reactions known (see 10.5).

10.4.Conditions to avoid

Protect from moisture.

10.5.Incompatible materials

Reacts exothermically with acids. The wet product is alkaline and reacts with acids, ammonium salts and base metals e.g. aluminum, zinc or brass. The reaction with base metals produces hydrogen.

SAFETY DATA SHEET

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Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperTherm TB 20

10.6. Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Cas No: 1317-65-3 Limestone - LD50 oral:>5000 mg/kg (rat)

Cas No: 65997-15-1 Portland cement clinker- LD50 oral:>2000 mg/kg (mouse)

Skin corrosion/irritation: Skin Irritation, Category 2; H315 was classified in-Causes skin irritation.

Serious eye damage/irritation: Eye Damage, Category 1; H318 was classified in- Causes serious eye damage.

Respiratory/Skin Sensitization: Skin Sensitization, Category 1B, H317 was classified in- May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT (single exposure): STOT Single Exposure. Category 3, H335 was classified in- May cause respiratory irritation.

STOT (repeated exposure): No data available.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties: No data available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Not classified as harmful to aquatic life.

12.1. Toxicity

CAS: 1317-65-3 Limestone

LC50 (96h): >100 mg/l (Rainbow trout - oncorhynchus mykiss) (OECD 203)

LC50 (48h): >100 mg/l (Water flea - daphnia magna) (OECD 202)

EC50 : >14 mg/l (Algae - desmodesmus subspicatus) (OECD 201)

: >1000 mg/l (Activated sewage sludge) (OECD 209)

12.2. Persistence and degradability

No data available.

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According to Regulation EC No.1907/2006 (REACH) with its amendment
Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperTherm TB 20

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Result of PBT and vPvB assessment

This mixture does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII.

12.6. Endocrine disrupting properties

None of the ingredients/components is listed at ECHA's endocrine disrupter (ED) assessment list.

12.7. Other adverse effects

May cause pH changes in aqueous ecological systems.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste product or used containers in accordance with local regulations. Do not allow product to reach sewage system.

Bearing in mind the maximum storage time, leftover dry product should be stored in sealed containers and re-used if possible. Out of date product should be mixed with water (avoiding contact with skin), allowed to set, and disposed of according to local regulations.

14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN Number:

Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing Group:

Not applicable

14.5. Environmental hazards:

Not applicable.

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Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
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ExperTherm TB 20

14.6.Special precautions for user:

Not applicable.

14.7.Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable.

15. REGULATORY INFORMATION

15.1.Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)
 - CLP (classification, labelling and packaging) Regulation (EC) 1272/2008
 - Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)
- Regulation (EC) No 1907/2006 Annex XVII:** Article 47; Chromium VI compounds
 - REACH Annex XIV (Authorisation List):** Contains no REACH Annex XIV substances.
 - REACH Candidate List (SVHC):** Contains no substance on the REACH candidate list.

15.2 Chemical safety assessment: Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

- **Hazard Statements (CLP)**

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335 May cause respiratory irritation.

Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]

Skin irritation, Category 2, H315	calculation method
Skin Sensitization, Category 1B, H317	calculation method
Eye Damage, Category 1, H318	calculation method
STOT Single Exposure. Category 3, H335	calculation method

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Regulation (EU) 2020/878



SDS Form No: GM.016

Date of Issue: 28.12.2022

Date of Revision:-
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ExperTherm TB 20

- Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

CAS No: Chemical Abstract Service

CLP: Classification Labelling and Packaging

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

GHS: Global Harmonised System

EC No: European Inventory of Existing Commercial

IATA /ICAO: International Air Transport Association/ International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

TLV-STEL: Threshold Limit Value-Short Term Exposure Limit

TWA: Threshold Limit Value Time Weighted

PBT: Persistent Bioaccumulating and Toxic

STOT: Target Organ Systemic Toxicity

SDS: Safety Data Sheet


SVCH: Substance of Very High Concern

vPvB: Very Persistent and very Bioaccumulating

- Issued Note:

This SDS is prepared based on the information and documents received from product owner. BESChem Mühendislik&Danışmanlık-Sibel Gümüşdere shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

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SAFETY DATA SHEET According to Regulation EC No.1907/2006 (REACH) with its amendment Regulation (EU) 2020/878		
SDS Form No: GM.016	Date of Issue: 28.12.2022	Date of Revision:- Version:00-01
ExperTherm TB 20		

- **Revisition Explanations**

SDS No : GM.016

Date of Issue: 28.12.2022

Date of Revision: -

Version: 00-01

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