

SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".

MultiTherm 100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	31.12.2020	000000274376	Date of first issue: 31.12.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : MultiTherm 100
Product code : 000000000055595451

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Product for construction chemicals
Recommended restrictions on use : Industrial use, Professional use, Consumer use

1.3 Details of the supplier of the safety data sheet

Company : Master Builders Solutions
Yapı Kimyasalları Sanayi ve Ticaret Ltd.
Sti.,
Ataşehir Kuzey, C Kapısı 3E/ 5-12
34746 İstanbul, Turkey
Telephone : +902162178800
Telefax : +902162178800
E-mail address of person responsible for the SDS : mabas-eb@mbcc-group.com

1.4 Emergency telephone

ChemTel: +1-813-248-0585

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification T.R. SEA No 28848

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 1	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation.

2.2 Label elements

Labeling T.R. SEA No 28848

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Hazard pictograms :



Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.
H315 Causes skin irritation.
H335 May cause respiratory irritation.

Precautionary Statements : P102 Keep out of reach of children.

Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P261 Avoid breathing dust.

P264 Wash face, hands and any exposed skin thoroughly after handling.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 Get immediate medical advice/ attention.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Hazardous ingredients which must be listed on the label:

Cement, portland, chemicals

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : modified cement mortar

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Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Cement, portland, chemicals	65997-15-1 266-043-4	Skin Irrit.2; H315 Eye Dam.1; H318 STOT SE3; H335	< 50

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : First aid personnel should pay attention to their own safety.
Remove contaminated clothing.
- If inhaled : After inhalation of dust.
Keep patient calm, remove to fresh air.
If difficulties occur:
Seek medical attention.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.
Under no circumstances should organic solvent be used.
If irritation develops, seek medical attention.
- In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Do not induce vomiting unless told to by a poison control center or doctor.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)
Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient.

Unsuitable extinguishing media : water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Product is not combustible or explosive.
No particular hazards known.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

Further information : Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.
The degree of risk is governed by the burning substance and the fire conditions.
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.
Avoid contact with skin and eyes.
Use personal protective clothing.
Handle in accordance with good building materials hygiene and safety practice.

6.2 Environmental precautions

Environmental precautions : Do not discharge into drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.
Avoid dust formation.
Rinse with plenty of water.

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Sweep/shovel up.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid dust formation.
Avoid inhalation of dusts.
Avoid contact with skin and eyes.
The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Pour downwind and allow as little free fall as possible while emptying bags into equipment.
Breathing must be protected when large quantities are decanted without local exhaust ventilation.
- Advice on protection against fire and explosion : No special precautions necessary.
- Hygiene measures : When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Remove contaminated clothing immediately and clean before reuse or dispose it if necessary.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Containers should be stored tightly sealed in a dry place.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
talca	14807-96-6	TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				
			2 mg/m ³	Recommendation of BASF
Further information: (suspended value of TRGS 900, dated 8/2005)				
Quartz (SiO ₂)	14808-60-7	TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information: Carcinogens or mutagens				

8.2 Exposure controls

Personal protective equipment

Eye protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

Remarks : nitrile coated cotton gloves (e.g. EN 388, 374)

Skin and body protection : Body protection must be chosen based on level of activity and exposure.
light protective clothing

Respiratory protection : Breathing protection if dusts are formed.

Filter type : Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2) (Particle filter EN 143 P2 or FFP2)

Protective measures : Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts.
In order to prevent contamination while handling, closed working clothes and working gloves should be used.
Handle in accordance with good building materials hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

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Color	:	gray
Odor	:	product specific
Odor Threshold	:	Not determined due to potential health hazard by inhalation.
pH	:	11 - 12 (20 °C) Concentration: 100 g/l
Melting point	:	Not applicable
Boiling point	:	Not applicable
Flash point	:	does not flash
Evaporation rate	:	The product is a non-volatile solid.
Upper explosion limit / Upper flammability limit	:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Lower explosion limit / Lower flammability limit	:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Vapor pressure	:	No data available
Relative vapor density	:	The product is a non-volatile solid.
Bulk density	:	1.800 - 2.400 kg/m ³ (20 °C)
Solubility(ies) Water solubility	:	partly miscible (20 °C)
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	Not applicable
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.

9.2 Other information

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Self-heating substances : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

Hazardous reactions : The product is stable if stored and handled as prescribed/indicated.

10.4 Conditions to avoid

Conditions to avoid : See SDS section 7 - Handling and storage.

10.5 Incompatible materials

Materials to avoid : Strong bases
Strong acids

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks : Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-life is unlikely.

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Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Not applicable for inorganic substances.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: The product will not be readily bioavailable due to its consistency and insolubility in water.

12.4 Mobility in soil

Product:

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Distribution among environmental compartments : Remarks: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.
The substance will not evaporate into the atmosphere from the water surface.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging : Completely emptied packagings can be given for recycling.

Waste Code : 01 04 07 α , wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

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14.5 Environmental hazards

Not regulated as a dangerous good

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 for product as supplied.

SECTION 15: Regulatory information

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

Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

SECTION 16: Other information

Full text of H-Statements

H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H335 : May cause respiratory irritation.

Full text of other abbreviations

Eye Dam. : Serious eye damage
Skin Irrit. : Skin irritation
STOT SE : Specific target organ toxicity - single exposure
2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
Recommendation of BASF : Recommendation of BASF
2004/37/EC / TWA : Long term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -

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Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Certificate no: KDU-A-0-0077
Certification Date: 29.07.2020
Certificate Expiry Date: 29.07.2025

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