

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.1/7**1. PRODUCT AND COMPANY INFORMATION****1.1 Product identification**

Commercial name : MULL-60-Z TZ-100 MULL-500 (y familia)
 TZ-18-ZAC-R TZ-50 TZ-30
 MULL-720-Z MULL-65-ZF TZ-18-V
 TZ-15 TZ-18

1.2 Product use and inadvisable uses

Use of the substance/mixture : Materials suitable to work at elevated temperatures.
 These materials are designed to protect any non-refractory structure of the high temperatures of the production process. Easy handling and installation.

1.3 Company identification

Company : TEIDE REFRACTORY SOLUTIONS, S.L.
 Crta. C-155 (Sabadell-Granollers), km. 11,1
 08185-LLIÇÀ DE VALL (BARCELONA)

Telephone : + 34 93 844 58 80

Fax : + 34 93 843 65 01

Contact e-mail : teide@teide.es

For more information : www.teide.es

1.4 Emergency telephone

+34 93 844 58 80 (Available Monday to Friday from 8:00 AM to 6:00 PM)

2. IDENTIFICATION OF DANGERS**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 (CLP)**

Not classified

Classification (67/548/CEE, 1999/45/EEC)

Not classified

2.2 Label elements**Labeling (Regulation (EC) No. 1272/2008)**

Danger pictograms : None

Word of warning : None

Indications of danger : None

Precautionary advice **Prevention**
 P261

Avoid breathing
 dust/fume/gas/mist/vapours/spray.

P280

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

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.2/7**Intervention:**P301 + P330 +
P331IF SWALLOWED: rinse mouth. Do NOT
induce vomiting.P305 + P351 +
P338IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing.**Other dangers:**

The substance does not meet the criteria for identification as PBT or vPvB in accordance with Appendix XIII of the REACH Regulation.

General dust may cause irritation to the respiratory system.

3. COMPOSITION/INFORMATION CONCERNING INGREDIENTS

The mixture does not contain any classified element according to current regulation (Regulation (EC) No. 1272/2008) element

None of the components are radioactive under the terms of European Directive Euratom 96/29.

4. FIRST AID**4.1 Description of first aid:**

- General recommendations : Move the person from the dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
- If you have inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, consult a doctor.
- In case of contact with eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy. Continue rinsing. If eye irritation persists, consult a specialist
- If swallowed : Do not induce vomiting. Rinse mouth with water. Never give anything through the mouth to an unconscious person. Consult a physician.

4.2 Main symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

Can cause respiratory irritation.

5. FIRE FIGHTING MEASURES**5.1 Extinguishing measures**

Suitable extinguishing measures : Use extinguishing measures appropriate to local circumstances and the surrounding environment.

These products are not flammable. Fire reaction class: Zero.

Use extinguishing measures appropriate for products that are flammable in the vicinity, such as packaging and protective materials.

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.3/7**5.2 Special dangers arising from the substance or mixture**

Specific dangers during fire fighting : Do not allow extinguishing water to enter drains or waterways.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : If necessary, wear a self-contained breathing apparatus for firefighting. In case of fire or explosion do not breathe fumes

6. MEASURES IN CASE OF ACCIDENTAL RELEASE**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use appropriate personal protective equipment (PPE), goggles, gloves and protective clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Precautions for the environment

Environmental precautions : Avoid dust dispersion, damping the materials. Prevent entry into sewers and natural waterways. Check local regulations that may be applicable

6.3 Containment and cleaning methods and procedures

Cleaning methods : Contain the spill, absorbing with earth or sand, throwing it with a shovel into the appropriate container.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see Section 8. No smoking, eating and drinking during work. No handling dry or wet product with bare hands, unprotected. Design the process or processes to limit the amount of handling.

Indications for fire and explosion protection : Normal measures for preventive fire protection.

Hygienic measures : Avoid contact with skin, eyes and clothing

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage and containers : Store in original container. The bags or envelopes that are opened must be carefully resealed and kept upright to prevent leakage. Keep tightly closed. Keep in a dry, cool and well-ventilated place.

Advice on joint storage : No special restrictions on storage with other products.

Other data : Stable under recommended storage conditions.

7.3 Specific use

Consult our technical-sales department

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.4/7**8. EXPOSURE/PERSONAL PROTECTION CONTROL****8.1 Control parameters**

Industrial hygiene standards and exposure limits at work may vary between countries and local jurisdictions. Check which exposure levels apply to your facility. If there were no directives regulating of dust and other rules, an expert in industrial hygienist can assist with a specific workplace evaluation including recommendations for respiratory protection. Table examples are given exposure to breathable dust

Occupational exposure limits

Components	Total dust (mg/m ³)	breathable dust (mg/m ³)	quartz (mg/m ³)	Cristobalita (mg/m ³)
dust	10	3	0.10	0.05

Based on the "ENVIRONMENTAL VALUE LIMIT TABLES (EVL)" published by the National Institute for Safety and Health at Work (INSHT).

Yet industrial hygiene standards and exposure limits at work may vary between countries and local jurisdictions.

To comply with local regulations, find out which rules are in force in the country.

8.2 Exposure controls

Appropriate Engineering Controls : Check your applications to identify potential sources of dust exposure.
It can be used with local exhaust ventilation, which collects dust where it is generated. For example down draft tables, emission controlling tools and materials handling equipment.
If necessary, consult an industrial hygienist to design appropriate controls and practices for the workplace. The use of products specially designed for (s) system (s) will help to control dust levels. Some products can be delivered ready to use so that no further cutting or machining facilities.

Personal protection

Eye protection



: Safety glasses tightly fitting the face.
Wear a face-shield and protective suit for anomalies in the process.
Labeled 'CE' Category II. Eye and face protection against splashing.
Standards CEN: EN 165, EN 166, EN 167, EN 168

Hand protection



: Protective gloves against chemicals
Labeled 'CE' Category III.
Standards CEN: EN 374-1, En 374-2, EN 374-3, EN 420

Body and skin protection



: Protective clothing with antistatic properties.
Labeled 'CE' Category II. Protective clothing should not be too tight or loose so as not to interfere with the user's movements.
Standards CEN: EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5

Respiratory protection



: Filter mask for protection against gases and particles.
Labeled 'CE' Category III. The mask must have a wide field of vision and anatomically shaped to provide sealing and tightness.
Standards CEN: EN 136, EN 140, EN 405

Protection measures

: Avoid contact with skin. Do not eat, drink or smoke during use.

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.5/7**8.2.1 - Environmental exposure controls**

Refer to the national applicable environmental standards at the local level, and European for air, water and soil. See section 13 for waste disposal.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on physical and chemical properties**

Appearance	: Material with various forms
Color	: Grayish o white
Smell	: Odorless
pH (20g/L, 20 °C)	: No available data
Fusion point/interval	: >1570°C
Boiling point/interval	: No available data
Inflammation point	: No applicable
Inflammability (liquid)	: Does not burn
Density (20 °C)	: 2.50 - 3.40 g/cm ³
Water solubility	: Immiscible
Explosive properties	: Regulatory information: Non-explosive International regulations for transport. Non explosive

10. STABILITY AND REACTIVITY**10.1 Reactivity**

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of dangerous reactions

Dangerous reactions : Stable under recommended storage conditions

No dangerous reaction known under conditions of normal use

10.4 Conditions to avoid

Conditions to avoid : Without available data

See handling and storage tips in Section 7.

10.5 Incompatible materials

Incompatible materials : Without available data

10.6 Dangerous decomposition products

Dangerous Decomposition : None known
Products

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects.**

Basic toxicological : Without available data

11.1 Information on toxicological effects.

Toxicological effects : They do not know

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.6/7**12. ECOLOGICAL INFORMATION**

These products are insoluble materials that remain stable and are chemically identical to inorganic compounds found in soil and sediments, and remain inert in the natural environment.
No adverse effects anticipated due to asbestos in the environment.

13. DISPOSAL CONSIDERATIONS**13.1 Methods for treating waste**

- Product : Residues of these materials can be sent to a landfill that has been licensed for this purpose. To identify the section which should be incorporated consult the European waste list (Decision 2000/532 / EC, as amended). Also make sure to comply with national or regional regulations relevant waste.
You should seek the advice of an expert to take into account any possible contamination during use. Unless wetted, such a waste is normally dusty and so should be properly disposed of in sealed plastic bags or containers. At some authorized disposal sites, dusty waste may be treated differently in order to ensure they are dealt with promptly to avoid them being wind-blown. Check for national and / or regional regulations.
When a residue is removed and assigned a European Waste Code (EWC), consider possible contamination during use, and it would be desirable to have the assistance of an expert.
- Contaminated packaging : Empty remaining contents. Dispose of as unused product.

14. TRANSPORT INFORMATION

Not classified as dangerous goods according to international transport regulations applicable.
Ensure that dust is not windblown during transportation.

ADR (Road transport, Council Directive 94/55/CE)
IMDG (Maritime transport)
RID Rail transport, Council Directive 96/49/CE)
IATA (Air transport)

15. REGULATORY INFORMATION**15.1 Regulation and legislation on safety, health and environment specific for the substance or mixture**

- Protection of workers : It will be in accordance with several European Directives as amended and their implementations by the Member States:
a) Council Directive 89/391 / EEC of 12 June 1989 "on the introduction of measures to encourage improvements in the safety and health of workers at work" (OJEC (Official Journal of the European Community) L 183 of 29 June 1989, p.1).
b) Council Directive 98/24 / EC of 7 April 1998 "on the protection of workers from the risks related to chemical agents at work" (OJEC L 131 of 5 May 1998, p . eleven).
c) Council Directive 2004/37 / EC of 29 April 2004 "on the protection of workers from risks related to exposure to carcinogens in the workplace" (OJ L 158 of 30 April 2004).
- Other possible regulations : Member States have the responsibility of implementing European directives into their own national regulation within a period of time normally given in the directive. Member States may impose more stringent requirements. Please always refer to any national regulation.

PRODUCT DESCRIPTION	GROUP	FAMILY
ZIRCON BRICKS	DE LD	65 70

REV.5 08.15
PAG.7/7**16. OTHER INFORMATION**

The information herein is based on data considered accurate at the time of preparation of this safety data sheet of material. However, despite complying with the legal requirements of safety, no warranty or representation, express or implied is offered, as to the accuracy or completeness of the foregoing data and safety information, nor any specific authorization is granted or implied to practice any patent without a license. In addition, the seller can not take any responsibility for any damage or injury resulting from abnormal use, for breach of the recommended practices, or from any hazards inherent in the nature of the product (however, this does not restrict the vendor's potential liability for negligence or breach of its statutes).

Other data

The information provided in this Safety Data Sheet is correct at the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and should not be considered a guarantee or quality specification.

The information relates only to the specific material and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.

National Emergency Phone Number (ECHA):

EU	: Europe	: 112
AT	: Austria	: +43 1 40 6 43 43 (VIZ Wien)
BE	: Belgium	: +32 (0)70 245 245
BG	: Bulgaria	: +359 2 9154 409
HR	: Croatia	: 112, +385 1 2348 342
CY	: Cyprus	: 1401, 112
CZ	: Czech Republic	: +420 224 919 293, +420 224 915 402
DK	: Denmark	: +45 82 12 12 12
EE	: Estonia	: 16662, +372 626 93 90
FI	: Finland	: +358 (0)9 471977
FR	: France	: +33 (0)1 45 42 59 59 (ORFILA (INRS))
DE	: Germany	: +49 (0)6131 19240 (GIZ Mainz)
EL	: Greece	: 112, +30 21 07 79 37 77
HU	: Hungary	: +36 80 20 11 99 (HTIS)
IS	: Iceland	: +354 543 2222, 112
IE	: Ireland	: +353 (0)1 837 9964
IT	: Italy	: +39 011 6637637 (Torino), +39 02 66101029 (Milano), +39 0382 24444 (Pavia), +39 049 8275078 (Padova), +39 010 5636245 (Genova), +39 055 4277238 (Firenze), +39 06 3054343 (Roma), +39 06 49970698 (Roma), +39 081 7472870 (Napoli)
LV	: Latvia	: +371 67042473
LT	: Lithuania	: +370 5 236 20 52, +370 687 53378
NL	: Netherlands	: +31 (0)30 274 88 88 (NVIC)
NO	: Norway	: 22 59 13 00
PL	: Poland	: +48 58 682 0404 (Gdansk), +48 12 411 99 99 (Krakow), +48 42 63 14 724 (Lódz), +48 32 266 11 45 (Sosnowiec), +48 22 6119 66 54 (Warszawa), +48 71 343 3008 (Wroclaw)
PT	: Portugal	: 808 250 143 (CIAV)
RO	: Romania	: +402 212 106 282
SK	: Slovakia	: +421 2 5477 4166 (NTIC)
SI	: Slovenia	: +386 41 635 500
ES	: Spain	: +34 91 562 04 20 (SIT)
SE	: Sweden	: 112
CH	: Switzerland	: 145
GB	: United Kingdom	: 844 892 0111