

| PRODUCT DESCRIPTION | GROUP | FAMILY |
|----------------------------------|-------|--------|
| SUPER LOW CEMENT CONCRETE - ULCC | NC | 13 |

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

| | | | |
|-----------------|---|---------------------------|----------------------|
| Commercial name | : | PYROFROM TIX-600 (family) | PYROFROM TIX-40/300 |
| | | PYROFROM TIX-40/180 | PYROFROM TIX-50/300 |
| | | PYROFROM TIX-60/300 | PYROFROM TIX-60/180 |
| | | PYROFROM TIX-ZZ | PYROFROM TIX-80/300 |
| | | PYROFROM TIX-90-S/300 | PYROFROM TIX-900 |
| | | PYROFROM TIX-600 | PYROFROM TIX-80-I-10 |
| | | PYROFROM TIX-700 Z | |

1.2 Product use and inadvisable uses

Use of the substance/mixture : Aluminous dense hydraulic refractory concretes.

1.3 Company identificationCompany : 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.esFor 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**
P261Avoid breathing
dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective
clothing/eye protection/face protection.**Intervention:**P301 + P330 +
P331IF SWALLOWED: rinse mouth. Do NOT
induce vomiting.

P305 + P351 +

IF IN EYES: Rinse cautiously with water for

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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

Mixtures

Composition

For an explanation of abbreviations see Section 16.

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.

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.

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5.3 Advice for firefighters

Special protective equipment for fire-fighters : If necessary, wear a self-contained breathing apparatus for fire fighting. 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 : Comprobar la reglamentación local que pueda ser de aplicación. 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

8. EXPOSURE/PERSONAL PROTECTION CONTROL**8.1 Control parameters****Occupational exposure limits**

| Components | No. CAS | Value Type (Form of exposure) | Control parameters | Base |
|------------|-----------|-------------------------------|----------------------|--------|
| Aluminum | 1344.28.1 | VLA-ED | 10 mg/m ³ | ES VLA |

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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.

If there are no directives on the regulation of dust or other standards, you can consult an environmental expert to help you with a specific workplace evaluation, including recommendations for respiratory protection.

8.2 Exposure controls

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

| | |
|-------------------------|---|
| Appearance | : Aggregate mix |
| Color | : Grayish |
| Smell | : Odorless |
| pH (20g/L, 20 °C) | : No available data |
| Fusion point/interval | : No available data |
| Boiling point/interval | : No available data |
| Inflammation point | : No applicable |
| Inflammability (liquid) | : Does not burn |
| Density (20 °C) | : 2.1-3.6 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

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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 Products : None known

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

Not classified based on the information available.

Corrosion or skin irritation

Not classified based on the information available.

Respiratory or skin sensitivity

Not classified based on the information available.

Germ cell mutagenicity

Not classified based on the information available.

Specific target organ toxicity (STOT) – single exposure

Not classified based on the information available.

Specific target organ toxicity (STOT) - repeated exposure

Not classified based on the information available.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Not classified based on the information available.

12.2 Persistence and degradability

Not classified based on the information available.

12.3 Bioaccumulation potential

Not classified based on the information available.

12.4 Soil mobility

No available data

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Assessment : This substance/mixture does not contain components considered to be 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 : We cannot exclude the danger to the environment in the event of unprofessional handling or disposal. Harmful to aquatic organisms.

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

Product : The product should not be allowed to enter drains, water courses or land (soil). Do not contaminate ponds, waterways or ditches with a chemical product or used container. Offer the surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 ONU Number**

ONU Number : Not relevant

ADR (Road transport, Council Directive 94/55/CE)

IMDG (Maritime transport)

RID Rail transport, Council Directive 96/49/CE)

IATA (Air transport)

14.2 Official UN shipping name

Official UN shipping name : Not relevant

14.3 Kind(s) of transport hazard

Kind(s) of transport hazard : Not relevant

14.4 Packing group

Packing group : Not relevant

14.5 Dangers for the environment

Dangers for the environment : Not relevant

14.6 Special precautions for users

Special precautions for users : Not relevant

14.7 Bulk transport according to Appendix II of MARPOL 73/78 and the IBC Code

Bulk transport according to Appendix : Not relevant

II of MARPOL 73/78 and the IBC

Code

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

Regulation and legislation on safety, health and environment specific for the substance or mixture : Ensure all national and local regulations are observed

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15.2 Chemical safety assessment

Chemical safety assessment : Has not been conducted

16. OTHER INFORMATION**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 (Lòdz), +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 |