SAFETY DATA SHEET


<table>
<thead>
<tr>
<th>1400824</th>
<th>PTCR UTH 660-900°C (7 mm), 600/Box</th>
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</thead>
<tbody>
<tr>
<td>Product specification</td>
<td>13037</td>
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<tr>
<td>Version</td>
<td>1.1</td>
</tr>
<tr>
<td>Material number</td>
<td>1400824</td>
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<tr>
<td>Revision Date</td>
<td>03/16/2018</td>
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<tr>
<td>Print Date</td>
<td>07/01/2020</td>
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SECTION 1. IDENTIFICATION

Product name : 1400824
PTCR UTH 660-900°C (7 mm), 600/Box

Material number : 1400824

Manufacturer or supplier’s details
Company name of supplier : Ferro GmbH
Address : Gutleutstraße 215
Frankfurt am Main 06 60327
Telephone : +4969271160
Telefax : +496927116333

Emergency telephone number
In-Country Number : (800)424-9300
CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

Recommended use of the chemical and restrictions on use
Recommended use : Controlling the firing temperature of the ceramic pieces in continuous or intermittent kiln.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Not a hazardous substance or mixture.

GHS Label element
Not a hazardous substance or mixture.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : inorganic salt, glass/frit, carbohydrate/(derivative of) cellulose

Hazardous components
No hazardous ingredients
SECTION 4. FIRST AID MEASURES

General advice: Consult a physician.

Most important symptoms and effects, both acute and delayed: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. No conditions to be specially mentioned.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Not applicable

**Engineering measures**: No data available

**Personal protective equipment**

- **Eye protection**: Safety glasses
  - Ensure that eyewash stations and safety showers are close to the workstation location.

- **Protective measures**: Wear suitable protective equipment.
  - When using do not eat, drink or smoke.

- **Hygiene measures**: Wash hands before breaks and immediately after handling the product.
  - Remove contaminated clothing and protective equipment before entering eating areas.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: solid
- **Colour**: green
- **Odour**: odourless
- **Odour Threshold**: Not applicable
- **pH**: No data available
- **Melting point/range**: No data available
- **Boiling point/boiling range**: No data available
- **Flash point**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density**: No data available
- **Relative density**: Not applicable
- **Density**: Not determined
- **Solubility(ies)**
  - **Water solubility**: partly miscible
  - **Solubility in other solvents**: No data available
SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Incompatible materials : No data available

Hazardous decomposition products : Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Product:
Acute oral toxicity : Remarks: No data available
Acute inhalation toxicity : Remarks: No data available
Acute dermal toxicity : Remarks: No data available

Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method
Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Not classified based on available information.

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity
Not classified based on available information.

STOT Specific Target Organ Toxicity - single exposure
Not classified based on available information.

STOT Specific Target Organ Toxicity - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Ecotoxicology Assessment
Acute aquatic toxicity : No data available
Chronic aquatic toxicity : No data available
Persistence and degradability

**Product:**
Biodegradability : Remarks: No data available

Bioaccumulative potential

**Product:**
Bioaccumulation : Remarks: No data available

Mobility in soil

**Product:**
Distribution among environmental compartments : Remarks: No data available

Other adverse effects

**Product:**
Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations
49 CFR
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA_12b - Not relevant

TSCA list : TSCA 5a - Not relevant

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product contains components that are reportable under the regulation.

   Zinc Compounds

Clean Air Act
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).

Clean Water Act
This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product contains components that are reportable under the regulation.

Massachusetts Right To Know
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know
This product contains components that are reportable under the regulation.

New Jersey Right To Know

This product contains components that are reportable under the regulation.

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

- EINECS (European Union): On the inventory, or in compliance with the inventory
- SWISS (Switzerland): On the inventory, or in compliance with the inventory
- TSCA (United States): On TSCA Inventory
- DSL/NDSL (Canada): This product contains one or several components listed in the Canadian NDSL.
- AICS (Australia): On the inventory, or in compliance with the inventory
- NZIoC (New Zealand): On the inventory, or in compliance with the inventory
- ENCS (Japan): On the inventory, or in compliance with the inventory
- ISHL (Japan): Not in compliance with the inventory
- KECI (Korea): On the inventory, or in compliance with the inventory
- PICCS (Philippines): Not in compliance with the inventory
- IECSC (China): On the inventory, or in compliance with the inventory
- TCSI (Taiwan): On the inventory, or in compliance with the inventory
- CICR (Turkey): Not in compliance with the inventory
- INSQ (Mexico): Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Revision Date : 03/16/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and
is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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