



# SAFETY DATA SHEET

Issuing Date 26-Apr-2015

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

### 1.1. Product identifier

#### Product Code

**Product Name** Sakrete Set Accelerator

#### Contains

**Synonyms** Calcium Aluminate Cement

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

#### Recommended Use

Hydraulic binder. Used for production of refractory concretes and mortars and as ingredient of construction materials and construction chemistry products

#### Uses advised against

No information available

### 1.3. Details of the supplier of the safety data sheet

Sakrete of North America  
625 Griffith Rd., Ste 100  
Charlotte, NC 28217 - USA  
T 866-725-7383

**For further information, please contact**

### 1.4. Emergency telephone number

For Hazardous Materials [or Dangerous Goods]  
Incident, Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
1-800-424-9300 [USA] / +1 703-527-3887 [CAN]

## 2. HAZARDS IDENTIFICATION

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

#### R-Phrases

Not applicable

#### GHS Classification

The product is not classified as hazardous according to GHS

### 2.2. Label Elements

#### Symbol(s)

Not applicable

**Signal Word**

None

**Hazard Statements**

None

**Precautionary Statements**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear eye protection/ face protection

P285 - In case of inadequate ventilation wear respiratory protection

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

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

**2.3. Other information**

No information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

| Chemical Name     | CAS No.    | Weight-% | REACH Reg. No  |
|-------------------|------------|----------|--|
| Aluminum oxide    | 1344-28-1  | 0-50     | 01-2119529248-35-0024<br>01-2119529248-35-0125<br>01-2119529248-35-0086<br>01-2119529248-35-0238 |
| Calcium aluminate | 65997-16-2 | 40-100   |  |

**4. FIRST AID MEASURES****4.1. Description of first aid measures**

|                       |   |
|-----------------------|---|
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
| <b>Skin Contact</b>   | Wash skin with soap and water.  |
| <b>Ingestion</b>      | Rinse mouth   |
| <b>Inhalation</b>     | Remove to fresh air   |
| <b>General Advice</b> | If symptoms persist, call a physician<br>Show this safety data sheet to the doctor in attendance                                |

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

Mild eye irritant.

Mild skin irritant

**4.3. Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media****Suitable Extinguishing Media**

The product itself does not burn

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Extinguishing media which must not be used for safety reasons**

No information available

**5.2. Special hazards arising from the substance or mixture**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**  
None in particular.

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment  
Avoid dust formation

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system  
Do not contaminate surface water

**6.3. Methods and material for containment and cleaning up**

Recover product. Place into appropriate container for disposal.

**Methods for Cleaning Up**

Shovel or sweep up

## 7. HANDLING AND STORAGE

**7.1. Precautions for Safe Handling****Handling**

Provide appropriate exhaust ventilation at places where dust is formed

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

**Exposure scenario**

No information available

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in a dry place  
Protect from moisture.

**7.3. Specific end use(s)**

No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

| Chemical Name                  | EU | United Kingdom | France                    | Spain                        | Germany OEL (TWA)                                   |
|--------------------------------|----|----------------|---------------------------|------------------------------|---|
| Aluminum oxide<br>1344-28-1    |    |                | VME: 10 mg/m <sup>3</sup> | VLA-ED: 10 mg/m <sup>3</sup> | 1.25 mg/m <sup>3</sup><br>6.0 mg/m <sup>3</sup> (a) |
| Calcium aluminat<br>65997-16-2 |    |                |                           |                              | 1.25 mg/m <sup>3</sup><br>6.0 mg/m <sup>3</sup> (a) |

(a) GOEL - Germany - TRGS 900 - Occupational Exposure Limits - TWAs, (a) exempt facilities listed in 2.4(8) and (9)

| Component                          | Italy | Portugal                  | Netherlands | Finland | Denmark                   |
|------------------------------------|-------|---------------------------|-------------|---------|---------------------------|
| Aluminum oxide<br>1344-28-1 (0-50) |       | TWA: 10 mg/m <sup>3</sup> |             |         | TWA: 10 mg/m <sup>3</sup> |

| Component                            | OSHA PEL  | ACGIH TWA                                     |
|--------------------------------------|---|---|
| Aluminum oxide<br>1344-28-1 ( 0-50 ) | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup><br>TWA (respirable fraction) | 1 mg/m <sup>3</sup> TWA (respirable fraction) |

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2.Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas

### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields

**Skin Protection** No special protective equipment required.

**Hand Protection** No special protective equipment required.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Environmental exposure controls** No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| <b>Physical State</b>                   | Powder                     |
| <b>Color</b>                            | Off-white                  |
| <b>Odor</b>                             | None                       |
| <b>pH</b>                               | 11.3 - 11.5                |
| <b>Flash point (°C) DEGREES</b>         | Not applicable             |
| <b>Autoignition temp (°F) DEGREES</b>   | Does not ignite            |
| <b>Boiling point/range (°C) DEGREES</b> | Not determined             |
| <b>Melting Point/Range</b>              | 1650 - 1820                |
| <b>Melting point (°C) DEGREES</b>       | °C                         |
| <b>Solubility</b>                       | Slightly soluble           |
| <b>Density</b>                          | 2.8-3.3 g/cm <sup>3</sup>  |
| <b>Bulk Density</b>                     | 750-1100 kg/m <sup>3</sup> |

## 10. STABILITY AND REACTIVITY

### 10.1.Reactivity

None under normal processing

### 10.2.Chemical Stability

Stable under normal conditions

### 10.3.Possibility of Hazardous Reactions

None under normal processing

### 10.4.Conditions to Avoid

None under normal processing

### 10.5.Incompatible materials

None under normal processing

### 10.6.Hazardous Decomposition Products

Not applicable

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute Toxicity

|                                  |                          |
|----------------------------------|--------------------------|
| <b>Acute oral toxicity</b>       | No information available |
| <b>Acute dermal toxicity</b>     | No information available |
| <b>Acute inhalation toxicity</b> | No information available |

#### Chronic Toxicity

|                              |  |
|------------------------------|--|
| <b>Irritation</b>            | Conclusive but not sufficient for classification |
| <b>Corrosivity</b>           | No information available                         |
| <b>Sensitization</b>         | No information available                         |
| <b>Mutagenic Effects</b>     | No information available                         |
| <b>Carcinogenic effects</b>  | No information available                         |
| <b>Reproductive Effects</b>  | No information available                         |
| <b>Developmental Effects</b> | No information available                         |
| <b>Aspiration Hazard</b>     | No information available                         |

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### **Ecotoxicity effects**

Water hazard class 1 (German Regulation): slightly hazardous for water  
WGK Kenn-Nr. 2652 (Calcium aluminate)

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential.

No information available

### 12.4. Mobility in soil

No information available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

None known

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations

#### **Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal

## 14. TRANSPORT INFORMATION

**Note:** Not classified as dangerous in the meaning of transport regulations

**IMDG/IMO** Not regulated.

**RID** Not regulated.

ADR Not regulated.

ICAO Not regulated.

IATA Not regulated.

## 15. REGULATORY INFORMATION

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

#### International Inventories

|               |          |
|---------------|----------|
| TSCA          | Complies |
| EINECS/ELINCS | Complies |
| DSL/NDSL      | Complies |
| PICCS         | Complies |
| ENCS          | Complies |
| IECSC         | Complies |
| AICS          | Complies |
| KECL          | Complies |

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

### 15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out

## 16. OTHER INFORMATION

#### Key literature references and sources for data

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

#### Prepared By

Issuing Date

Revision Date

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Revision Summary

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

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End of Safety Data Sheet