

SDS-0079
Omega # OB-600

SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010

SAUEREISEN

Date Issued : 06/09/2016
SDS No : SCC-008

8 Electrotemp Cement, Powder

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

1.1. Product identifier

Product code : 8
Product name : 8 Electrotemp Cement, Powder
Product description : Electrotemp Cement, Powder
Product formulation name : 8 Electrotemp Cement, Powder
Chemical family : Magnesium Phosphate Cement

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

1.3. Details of the supplier of the safety data sheet

Manufacturer

Sauereisen
160 Gamma Drive
Pittsburgh, PA 15238

Emergency Contact : John Kozak
Emergency Phone : (800)424-9300
Service Number : 412 963-0303
E-Mail : jakozak@sauereisen.com

1.4. Emergency telephone number

Poison Control Center (Medical):1-800-222-1222
CHEMTREC (US Transportation): 1-800-424-9300
CHEMTREC (Outside US):1-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Signal Word : DANGER

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

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Chemical Name	CAS	EINECS No.	Wt.%
Silica, Crystalline	14808-60-7	238-878-4	< 1
Phosphoric Acid, Magnesium Salt	7757-86-0	231-823-5	< 11 - 18
zircon (zr(sio4))	14940-68-2	239-019-6	< 68 - 78
Magnesium Oxide	1309-48-4	215-171-9	< 10 - 15
Boric Acid	10043-35-3	Not Applicable	< 2

SECTION 4: First aid measures

4.1. Description of first aid measures

- Following eyes** : Check for and remove all contact lenses. Flush eyes immediately with water or physiological saline for at least 15 minutes while lifting upper and lower lids. Do not use eye ointment. Seek medical attention.
- Following skin** : Wash contact area thoroughly with soap and water. Remove contaminated clothing. Launder before reuse. Seek medical attention if erythema develops.
- Following ingestion** : If swallowed, do not induce vomiting. Give large quantities of water. Seek medical attention immediately. Never give anything by mouth to an unconscious person.
- Following inhalation** : If difficulty breathing, move to fresh air once. Apply artificial respiration if breathing has stopped. Seek medical attention.

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

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media

- Extinguishing media** : Water, carbon dioxide, dry chemical, and foam.

5.2. Special hazards arising from the substance or mixture

- Explosion hazards** : Not sensitive to mechanical impact or static discharge
- Fire explosion** : NA = Not Applicable
- Sensitive to static discharge** : None
- Sensitivity to impact** : None

5.3. Advice for firefighters

- Fire fighting procedures** : Normal precautions are satisfactory.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General procedures** : Sweep, scoop or vacuum the discharged material. Respiratory protection should be worn at all times and skin contact should be avoided. Observe environmental regulations.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

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Small spill : Use dustless methods and place in a closeable container for disposal, or flush with water. Observe environmental regulations.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General procedures : Avoid contact with eyes, skin, and clothing.
Avoid breathing dust.
For industrial use only!
Harmful if inhaled.
Do not take internally.
May cause irritation.
Wear chemical splash goggles, gloves, and protective clothing.
Use adequate ventilation and employ respiratory protection where dust or fumes may be generated.
Wash thoroughly after handling.

Handling : Do not breathe dust. Keep airborne dust concentrations below permissible exposure limit (PEL). Do not rely on sight to determine if dust is in the air. Respirable crystalline silica dust may be in the air without a visible dust cloud. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain, clean and fit tested respirators in accordance with OSHA regulations. Maintain and test ventilation and dust collection equipment. Wash or vacuum clothing that has become dusty.

Storage : Store in a cool, dry place.
Keep container closed when not in use.
Keep away from food and drinking water.
Always mix well before using.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Eye/face protection : Safety glasses with side shields, chemical resistant goggles, or face shield.
Contact lenses should not be worn.

Skin protection : Suitable protective gloves (neoprene, butyl rubber, or viton). Clothing should be clean, long-sleeved workclothes. Synthetic apron. Boots. Wash thoroughly before eating, smoking, applying cosmetics, etc. Thoroughly launder work clothes before reuse. Safety shower nearby.

Respiratory protection : A suitable respirator complying with the most current NIOSH/ANSI/EN requirements should be used. In the U.S. use dust respirators in compliance with OSHA Standard 1910.134, and in the E.U. use dust respirators in compliance with EN149:2001FFP2 or FFP3 and rated for at least 10X WEL. . For emergency, a self-contained positive pressure, breathing apparatus or full face respirator is recommended. If TLV of any component is exceeded, use appropriate respiratory protection or ventilate in accordance with OSHA

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regulation 29 CFR Part 1910.

Other precautions

: Provide adequate general and local exhaust ventilation to meet PEL requirements. provide workers with dust respirators for use in emergency or non-routine situations where dust levels may exceed PEL. A NIOSH approved half face-piece respirator can be used up to 10x PEL. For up to 100x PEL, use a full face-piece respirator with replaceable dust filters. Higher exposures need an approved air-supplied regulator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Granular powder
Colour	: White to tan.
Odour	: NA = Not Applicable
Odour threshold	: Not Available
pH	: NA = Not Applicable
Melting temperature	: NA = Not Applicable
Evaporation rate	: NA = Not Applicable
Flammable limits	: 0 to 0
Vapor pressure	: NA = Not Applicable
Vapor density	: NA = Not Applicable
Specific gravity	: 2.6

9.2. Other information

Percent volatile	: NA = Not Applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: Yes
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10.2. Chemical stability

Chemical stability	: Stable under normal conditions of use and storage.
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10.3. Possibility of hazardous reactions

Hazardous polymerization	: No
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10.4. Conditions to avoid

Conditions to avoid	: None
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10.5. Incompatible materials

Incompatible materials	: None
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10.6. Hazardous decomposition products

Hazardous decomposition products	: None
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

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Oral LD₅₀	: No data is available on the product itself.
Notes	: Components: Boric Acid: LD50 (rat): 3500 - 4100 mg/kg
Notes	: <p style="margin-left: 20px;">Acute Silicosis can occur with exposure to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis is fatal.</p>
Serious eye damage/irritation	: Eye, Skin and Inhalation Irritant.
Reproductive toxicity	: This product contains Boric acid which may damage fertility or harm the unborn child
STOT-single exposure	: <p style="margin-left: 20px;">·Nephrotoxicity - Recent studies suggest that exposure to respirable crystalline silica or that the disease silicosis is associated with the increased incidence of kidney disorders.</p>
Other information	: <p style="margin-left: 20px;">ADDITIONAL INFORMATION: Crystalline Silica (Quartz)</p> <ul style="list-style-type: none"> ·Silicosis - The major concern is silicosis caused by the inhalation of respirable crystalline silica dust. Silicosis can exist in several forms, chronic (or ordinary), accelerated, or acute. ·Scleroderma - There is evidence that exposure to respirable crystalline silica or silicosis is associated with incidence of scleroderma of the lungs. ·Tuberculosis - Individuals with silicosis are at risk to develop tuberculosis, if exposed to persons with tuberculosis.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity	: Crystalline silica (quartz) is not known to be ecotoxic. There is no data that suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants.
Aquatic toxicity (acute)	: No data is available on the product itself. Below is for Boric Acid component.
48-hour EC₅₀	: 133 mg/L Daphnia Magna

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Environmental data	: Crystalline silica (quartz) is not known to be an environmental hazard.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product disposal** : Sweep up excess; flush area with large quantities of water. Material may be disposed of in approved landfill according to official regulations.
- Disposal method** : The packaging and material may be disposed of in landfills; however, material should be covered or wetted to minimize generation of airborne dust.
- Empty container** : Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

UN proper shipping name : Not Regulated

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

SECTION 16: Other information

Prepared by : John A Kozak