

## SAFETY DATA SHEET – CIMENT FONDU

### SECTION 1. IDENTIFICATION

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<b>Product Identifier</b>	Ciment Fondu
<b>Other Means of Identification</b>	Hydraulic binder for concretes and dry-mix mortars manufacturing
<b>Recommended Use</b>	Professional use only
<b>Restrictions on Use</b>	None known
<b>Supplier Identifier</b>	Multiurethanes Ltd. 5245 Creekbank Rd Mississauga, ON L4W 1N3 Canada
<b>Emergency Telephone Number</b>	1-800-663-6633

### SECTION 2. HAZARD IDENTIFICATION

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<b>Classification</b>	This mixture does not present physical, health or environmental hazards. Refer to the recommendations regarding the other products present on the site.  No labelling requirements are necessary for this substance however, elements have been added as general safety precautions.
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#### Label Elements

Hazard Pictogram



Signal Word

WARNING

Hazard Statement

None

Precautionary Statements

**Prevention**  
Wear appropriate protective equipment.  
Avoid breathing dust.  
Wash hands and exposed skin after handling.

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### **Response**

IF ON SKIN: Remove contaminated clothing. Rinse off affected area with soap and water. Seek medical attention if concerned.

IF IN EYES: Wash thoroughly with fresh water for at least 15 minutes holding eyelids open. Seek medical attention if concerned.

IF INHALED: In case of exposure to high concentrations of dust, move the affected person away from the contaminated area and into the fresh air. Seek medical attention if concerned.

### **Storage**

Store in a dry, cool place. Protect from moisture.

### **Disposal**

Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

**Other Hazards** Not available

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

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### **Substance**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (% by weight)</u>	<u>Common Names / Synonyms</u>	<u>Other Identifiers</u>
Cement, Alumina, Chemicals	65997-16-2	100%	Not available	Not available

### **Notes**

No substance satisfies the criteria specified in annexe D, table D.1 of the HCS. Does not contain any detectable quantities of free lime or free crystalline silica (such as quartz, tridymite or cristobalite).

## SECTION 4. FIRST-AID MEASURES

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### **Inhalation**

In case of exposure to high concentrations of dust, move the affected person away from the contaminated area and into the fresh air. Seek medical attention if concerned.

### **Skin Contact**

Remove contaminated clothing. Rinse off affected area with soap and water. Seek medical attention if concerned.

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<b>Eye Contact</b>	Rinse cautiously with fresh water for at least 15 minutes holding eyelids open. Seek medical attention if concerned.
<b>Ingestion</b>	Seek medical attention.
<b>Most Important Symptoms and Effects, Acute and Delayed</b>	None known
<b>Indication of Immediate Medical Attention and Special Treatment Needed</b>	Treat symptomatically. If exposed or concerned, seek medical advice and attention.

### SECTION 5. FIRE-FIGHTING MEASURES

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#### Extinguishing Media

Suitable Extinguishing Media Non-flammable; use media suitable to the surrounding fire.

Unsuitable Extinguishing Media Not available

**Specific Hazards Arising from the Product** A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

**Special Protective Equipment and Precautions for Firefighters** Exercise caution when fighting any chemical fire. Firefighters should wear full protective gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures** Do not get in eyes or on skin. Do not breathe dust. Use appropriate personal protective equipment.

**Methods and Material for Containment and Cleaning Up** In the event of a spill or leak, sweep up material. Avoid creating excessive dust and minimize material from entering waterways.

**Notification Procedures** Not available

**Environmental Precautions** Prevent material from entering drains or waterways.

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### SECTION 7. HANDLING AND STORAGE

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**Precautions for Safe Handling** Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Handle in accordance with good industrial hygiene and safety procedures. Always wash hands immediately after handling this product.

**Conditions for Safe Storage (including incompatibilities)** Store in a dry, cool place. Protect from moisture.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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#### Control Parameters – Occupational Exposure Limits

<b>Chemical Name</b>	<b>Type</b>	<b>Exposure Limit Values</b>	<b>Source</b>
Cement, Alumina, Chemicals	TWA	Respirable particles = 5 mg/m <sup>3</sup> Total particles = 15 mg/m <sup>3</sup>	USA OSHA PEL
Cement, Alumina, Chemicals	TWA	Respirable particles = 3 mg/m <sup>3</sup> Total particles = 10 mg/m <sup>3</sup>	USA ACGIH TLV

**Appropriate Engineering Controls** Not available

#### Individual Protection Measures

- Eye/Face Protection Avoid contact with eyes. Wear protective equipment appropriate to prevent eye contact.
- Skin Protection Wear suitable protective gloves in the event of prolonged or repeated skin contact.
- Respiratory Protection Wear a disposable half-mask dust filter in accordance with standard EN149.
- Hygiene Measures Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** Grey / brown powder or dust

**Odour** None

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<b>Odour Threshold</b>	Not applicable
<b>pH (aqueous solution)</b>	11 - 11.5 (20°C - 10%) (68°F - 10%)
<b>Melting Point / Freezing Point</b>	1300°C (2372°F)
<b>Initial Boiling Point and Boiling Range</b>	Not relevant
<b>Flash Point</b>	Not relevant
<b>Evaporation Rate (BuAe = 1)</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/Lower Flammability or Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not relevant
<b>Vapour Density (air = 1)</b>	Not relevant
<b>Relative Density (water = 1)</b>	3.2 - 3.3
<b>Solubility in Water</b>	Partially soluble. < 2%
<b>Solubility (other)</b>	Not available
<b>Partition Coefficient, n-octanol / water (logKow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not specified
<b>Decomposition Temperature</b>	Not specified
<b>Viscosity</b>	Not available

### SECTION 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	In the presence of water, calcium aluminates react chemically and harden to form stable calcium aluminate hydrates. This reaction is exo-thermal and may last up to 24 hours. The total heat released is < 500 kJ/kg.
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<b>Chemical Stability</b>	Stable under recommended handling and storage conditions (refer to section 7).
<b>Possibility of Hazardous Reactions</b>	None under normal conditions.
<b>Conditions to Avoid</b>	Avoid humidity, formation of dusts.
<b>Incompatible Materials</b>	None known
<b>Hazardous Decomposition Products</b>	None known

### SECTION 11. TOXICOLOGICAL INFORMATION

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#### Information on Likely Routes of Exposure

<u>Inhalation</u>	No
<u>Skin Contact</u>	No
<u>Eye Contact</u>	No
<u>Ingestion</u>	No

**Signs and Symptoms of Exposure** Not available

**Potential Chronic Health Effects** Not available

**Acute Toxicity** Not available

**Skin Corrosion/Irritation** Corrosivity: No observed effect (rabbit) (OECD Guideline 404)

**Serious Eye Damage/Irritation** Corneal haze: average score = < 1 (rabbit, 72h exposure) (OECD Guideline 405)  
Iritis: average score = < 1 (rabbit, 72h exposure) (OECD Guideline 405)  
Conjunctival redness: average score = < 2 (rabbit, 72h exposure) (OECD Guideline 405)  
Conjunctival oedema: average score = < 2 (rabbit, 72h exposure) (OECD Guideline 405)

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<b>Specific Target Organ Toxicity - Single Exposure</b>	Dust from this product may cause irritation to the respiratory tract.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Not available
<b>Aspiration Hazard</b>	Not available
<b>Respiratory and/or Skin Sensitization</b>	Not available
<b>Reproductive Toxicity</b>	Not available
<b>Germ Cell Mutagenicity</b>	Not available
<b>Carcinogenicity</b>	Not available
<b>Toxicological Data</b>	Not available

### SECTION 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Refer to published ecotoxicity data for each component.
<b>Persistence and Degradability</b>	After hydration (several hours or several days under humid conditions), the product is stable in soil and in water, with a negligible mobility of its components.
<b>Bioaccumulative Potential</b>	Not relevant because cement is inorganic.
<b>Mobility in Soil</b>	Not relevant because cement is inorganic.
<b>Other Adverse Effects</b>	Not available

### SECTION 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Methods</b>	Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.
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### SECTION 14. TRANSPORT INFORMATION

<u>Regulation</u>	<u>UN No.</u>	<u>Proper Shipping Name</u>	<u>Technical Name (for N.O.S. entry)</u>	<u>Transport Hazard Class(es)</u>	<u>Packing Group</u>
TDG	None	Not regulated	Not regulated	Not regulated	Not regulated
49 CFR/DOT	None	Not regulated	Not regulated	Not regulated	Not regulated
IMDG	None	Not regulated	Not regulated	Not regulated	Not regulated
ICAO/IATA	None	Not regulated	Not regulated	Not regulated	Not regulated

**Special Precautions** Not available

**Environmental Hazards** Refer to section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available

### SECTION 15. REGULATORY INFORMATION

#### Canadian Information

WHMIS Not classified; refer to section 2.

CEPA Calcium Aluminate Cement is listed on the DSL (Domestic Substances List) inventory.

#### US Information

TSCA Inventory Calcium Aluminate Cement is listed on the inventory.

**International Information** Not available

### SECTION 16. OTHER INFORMATION

**Date of Latest Revision** August 28, 2018

**Disclaimer** The information provided in this document is correct to the best of our knowledge, information and belief at the date of its publication. This information is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. This information is designed only as a general guidance and is not to be considered a warranty or quality specification. This



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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 above.

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**END OF SAFETY DATA SHEET**