Product Safety Information

This voluntary information sheet replaces the Safety Data Sheet, since CellBlockEX is not a hazardous material according to the Hazard Communication Standard.

Trade name: CellBlockEX® fire/heat/smoke suppressant

Date: March 8, 2021

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1. Identification

1.1 Product Identifier: CellBlockEX® fire/heat/smoke suppressant
1.2 Usage of the material/mixture: Mineral fire extinguishing agent for Class D (metal) Fires and lithium-ion battery fires
1.3 Details of the supplier, which provides this Safety Data Sheet:
   CellBlock Fire Containment Systems
   234 Northeast Road, Unit #5
   Standish, Maine 04084
   800-440-4119
   Email: info@cellblockfcs.com
   Website: cellblockfcs.com
1.4 Emergency Information:
   Phone: 800-440-4119

2. Hazards Identification

2.1 Classification: Not classified as dangerous for supply/use.
2.2 Hazard Symbols: None
2.3 Precautions: Spilled material is slippery.
   If granules are destroyed and improper use occurs, dust may cause irritation of the eyes and respiratory tract. Avoid contact with your eyes, skin or clothes

3. Composition/Information on Ingredients

CellBlockEX® is an article according to REACH and not a raw material or mixture. It is excluded from the labelling requirement (see item 15).

3.1 Chemical description: Soda lime borosilicate glass granulate based on post-consumer recycled glass
   (bottle glass and flat glass).
3.2 Hazardous Ingredients: None
3.3 CAS no.: 65997-17-3
3.4 EINECS no./ELINCS No.: 266-046-0
3.5 Index no.: Not controlled/Not regulated

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Chemical formula</th>
<th>typical % by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicium Dioxide</td>
<td>SiO₂</td>
<td>70-73</td>
</tr>
<tr>
<td>Sodium Oxide</td>
<td>K₂O + Na₂O</td>
<td>13-14</td>
</tr>
<tr>
<td>Calcium Oxide</td>
<td>CaO + MgO</td>
<td>8-10.5</td>
</tr>
<tr>
<td>Aluminium Oxide</td>
<td>Al₂O₃</td>
<td>1.5-2</td>
</tr>
</tbody>
</table>
4. First-Aid Measures

4.1 Description of first aid measures:
- after inhalation: Seek fresh air immediately. If inhaled, seek medical aid.
- after skin contact: Wash skin with soap and water. Remove soiled clothing and shoes. Consult a doctor in case of irritations.
- after eye contact: Flush eyes for five minutes. Consult a doctor if irritation persists.
- after ingestion: There are no known effects. Irritation of the mouth throat, trachea and gastro-intestinal tract are possible. Rinse mouth, drink water and consult a doctor.

4.2 The most important, urgent and delayed symptoms and effects
There are no known symptoms or effects.

5. Fire-Fighting Measures

CellBlockEX is non-flammable and heat resistant to 710°C (1310°F); phase change to molten at >920°C (1688°F)

5.1 Extinguishing agent
Not applicable, product is non-flammable.

5.2 Special risks of the material/mixture
No special risks caused by the product or mixture.

5.3 Information about fire fighting
The extinguishing agent should be chosen according to the primary cause of fire.

6. Accidental Release Measures

6.1 Personal precaution and protective equipment
Use personal safety equipment: a mask or respirator with dust filter A/P2, rubber gloves, safety googles, coveralls, rubber boots,

6.2 Measures for environmental protection
Product shouldn’t be flushed. It floats on water due to low density and may cause blocked pipes.

6.3 Procedure to stop spillage and measures for cleaning
Remove spillage in accordance with Section 8. Sweep or vacuum the spillage and dispose of it properly.

6.4 Cleaning and Disposal
Instructions for disposal see paragraph 13

7. Handling and Storage

7.1 Handling
Avoid formation of dust. The usage of particle filtered protective mask P2 is required if the dust concentration rises above the reference value (see section 8.1). Avoid contact with skin and eyes. Avoid ingestion or inhalation.

7.2 Storage
Protect against humidity by storing in a cool, dry place. Keep package sealed.

7.3 Incompatible substances
None
8. Exposure Controls/Personal Protection

8.1 Controlled parameters

<table>
<thead>
<tr>
<th>Reference</th>
<th>Soda lime borosilicate glass, CAS no.: 65997-17-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure limits</td>
<td>Respirable dust: 1.25 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Total inhalable dust: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Exceedance factor and category: 2 (II)</td>
</tr>
</tbody>
</table>

*These values are reference dust values. Reference dust values vary depending on the country of application.*

8.2 Personal Protective Measures

- **Respiratory protection:** The usage of a particle filtered protective mask P2 is required if the dust concentration rises above the reference AGW value.
- **Eye protection:** Wear safety glasses with side shields to protect against eye contact.
- **Hand protection:** Wear suitable protective gloves in order to minimize skin contact.
- **Body protection:** Wear general purpose work suit to protect skin from irritation.
- **Specific hygienic measures:** Not applicable

9. Physical and Chemical Properties

9.1 Information about the basic physical and chemical properties

- **Physical state:** Solid/powder, grain sizes 1 - 4 mm
- **Appearance:** Creamy white with blue marker granules
- **Odor:** Odorless
- **Boiling point:** Not expedient; It's a mineral product
- **Melting point:** Approx. 920°C (1688°F)
- **Softening point:** Approx. 710°C (1310°F)
- **Flashpoint:** Non-combustible
- **Explosion limit:** Not applicable
- **Vapor pressure:** Not applicable
- **Specific gravity:** 0.3 - 0.5
- **Solubility in water:** Water-insoluble
- **pH-value:** Approx. 7-12 (20°C / 100g/l), pH-meter
- **Danger of dust explosion:** Not applicable

9.2 Further information

- **Viscosity:** Not applicable
- **Vapor density (air = 1):** Not applicable

10. Stability and reactivity

10.1 Reactivity

Not reactive

10.2 Stability

Stable under normal temperature and pressure conditions

10.3 Possible hazardous reactions

None

10.4 Conditions to avoid

Temperatures above 900°C (1652°F), product phase change to molten

10.5 Incompatibility (substances to avoid)

Hydrofluoric acid (HF); material dissolves by generation of H2SiF6

10.6 Hazardous decomposition or by-products

Not applicable
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11. Toxicological Information

Acute toxicity (LD50/LC50): Unavailable
RTECS: Unavailable
Inhale: May cause irritation
Skin contact: May cause irritation
Eye contact: May cause irritation
Ingestion: May cause irritations of the mouth, trachea and gastro-intestinal tract

12. Environmental Information

12.1 Toxicity
Potential of hereditary genetic changes: None
Ecotoxicological effects: Not applicable
Subacute to chronic toxicity: No data available
Repeated dose toxicity: Unknown

12.2 Persistence and degradability
Biological nondegradable, as of mineral origin

12.3 Bioaccumulation
Not determinable, because it is not fat-soluble

12.4 Mobility in the soil
Not applicable

12.5 Further harmful effects
Unknown

13. Disposal considerations

13.1 Method of disposal
Disposal in accordance with federal, state and local regulation. Do not dump into the environment or allow to enter sewage system; may block pipelines.

13.2 European catalog of refuse code
170202

13.3 Refuse description
Soda lime borosilicate glass

14. Transport information

14.1 US DOT
Not regulated material

14.2 UN-Number
Not applicable

14.3 proper UN-shipping name
Not applicable

14.4 transport hazard class
Road transportation
GGVSE: Not a hazardous material
RID/ADR: Not applicable
Warning sign no.: Not applicable
ADN/ADNR: Not a hazardous material
IMDG/GGVSee: Not a hazardous material
IMO: Not a hazardous material
GGVSea-packing group: Not applicable
EMS: Not applicable
MFAG: Not applicable
ICAO/IATA: Not a hazardous material
ICAO-packing group: Not applicable

Inland waterway transportation

Sea transport

Air transportation

14.5 Packing group
Not applicable

14.6 Environmental hazards
Not applicable

14.7 Special precautions
Protect against humidity; maximum blowing pressure: 0.8 bar

14.8 Bulk commodity transport according to appendix II of the MARPOL-Agreement 73/78 and according to IBC-Code
Not applicable
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15. Legislation

15.1 Instructions for safety, health and environmental protection/specific legislation for the product or mixture
Reference: Soda lime borosilicate glass, CAS no.: 65997-17-3
Danger symbol: No labelling required
Danger defining components: Not applicable
Special identification of certain preparations: Not applicable
Water pollution classification: Not hazardous to water
Resorption by Skin/Sensitizing: No data available

15.2 Evaluation of the product
Not applicable
This product is excluded of the REACH-Registration obligation according to EC 1907/2006 appendix V.11

16. Further information

This “Product Safety Information” replaces the Material Safety Data Sheet, because CellBlockEX is not a hazardous material according to the CLP regulation. We would like to point out that this is a voluntary service. There is no obligation for the manufacturer to make these documents available. The details are based on today’s state of our knowledge and serve to describe the product with regard to the correct safety regulations. It does not represent any assurance of product properties and does not give reasons for any contractual facts of the case. Users must determine if the information is suitable for their purposes.

Manufacturer’s Warranty: CellBlockEX fire/heat/smoke suppressant is guaranteed to comply with CellBlock FCS LLC’s manufacturing standards and has a warranted shelf life of 5 years, provided the product is stored and transported according to manufacturer recommendations.