

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

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- 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
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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
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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

Ingredient:	Chemical formula	typical % by weight
Silicium Dioxide	SiO ₂	70-73
Sodium Oxide	K ₂ O + Na ₂ O	13-14
Calcium Oxide	CaO + MgO	8-10.5
Aluminium Oxide	Al ₂ O ₃	1.5-2

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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 goggles, 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

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8. Exposure Controls/Personal Protection

8.1 Controlled parameters

Reference	Soda lime borosilicate glass, CAS no.: 65997-17-3
Exposure limits	Respirable dust: 1.25 mg/m ³ Total inhalable dust: 10 mg/m ³ Exceedance factor and category: 2 (II)

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 H ₂ SiF ₆
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
Inland waterway transportation	ADN/ADNR: Not a hazardous material
Sea transport	IMDG/GGVSee: Not a hazardous material IMO: Not a hazardous material GGVSea-packing group: Not applicable EMS: Not applicable MFAG: Not applicable
Air transportation	ICAO/IATA: Not a hazardous material ICAO-packing group: Not applicable
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.