

Product Safety Information

This voluntary information sheet replaces the Material Safety Data Sheet, since Extron Fireballs is no hazardous material according to the CLP regulation.

Trade name: Extron Fireballs

Date: 2021-02-16

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1. Chemical product and company identification

1.1 Product Identifier: Extron Fireballs Extinguisher Granules

Grain size in mm: 1-4

1.2 Relevant identified usage of the material/mixture and uses that are not recommended:

Use as fire extinguishing agent and fire protection granules.

Uses that are not recommended: Pharmaceutical products and groceries.

1.3 Details of the supplier, which provide this Material Safety Data Sheet:

Supplier Pichler Modellbau GmbH
Industriegebiet
84307 Eggenfelden
Phone: +49 (0) 87215082660
Fax: +49 (0) 872150826620
E-Mail: mail@pichler.de
Internet: www.extron.net

1.4 Emergency contact Germany: +49 (0) 8721 5082660

Service hours: Mon - Thu: 10 AM - 12 AM, German and English

2. Possible dangers

2.1 Classification of the material/mixture

No specific labelling according to Regulation (EC) No 1272/2008

2.2 Marking elements

No marking according to Regulation (EC) No 1272/2008

2.2 Other dangers

The mixture does not meet the criteria for classification as PBT or vPvB. The dust can cause irritation to the eyes and respiratory tract if the granulate structure is destroyed during-im proper use.

Safety note: P262 avoid contact with your eyes, skin or clothes

Note for medical doctor: Show this data sheet to an attending doctor.

3. Composition/Information on ingredients

3.1 Product

Fireballs is a product according to REACH (see statement on the REACH regulation for Fireballs) and not a raw material or mixture in the sense of a hazardous substance. It is therefore excluded from the obligation of registration (see paragraph 15.2)

Chemical description: Non-organic, thermally expanded glass granulate on basis of post consumer recycled glass (container glass and flat glass - soda-lime-silica glass).

Ingredients:	Chemical formula	mass % by weight
Silicon dioxide	SiO ₂	70 - 75
Sodium oxide	Na ₂ O	10 - 15
Calcium oxide	CaO	7 - 11
Aluminium oxide	Al ₂ O ₃	0.5 - 5
Magnesium oxide	MgO	0 - 5
Potassium oxide	K ₂ O	0 - 4

Main component (approx. 95 %)CAS-No. EINECS-No.

Soda-lime-silicate glass 65997-17-3, 142844-00-6 266-046-0

Subsidiary component (approx. < 5 %; from this results the Aluminium oxide content)

Kaolin 1332-58-7 310-194-1

Index No. Not assigned

Additional information: Not applicable

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4. First aid measures

4.1 Description of the first aid measures

- After inhalation:** Supply fresh air immediately. If the product irritates the respiratory tract: consult a doctor.
- After skin contact:** Wash off with plenty of water and soap, rinse thoroughly.
- After eye contact:** Remove contact lenses. Rinse immediately with plenty of water for at least 15 minutes with the eyelids open. Consult an ophthalmologist if necessary.
- After ingestion:** Irritations in the mouth, throat and oesophagus as well as in the gastrointestinal tract are possible. Immediately rinse mouth thoroughly. Drink plenty of water (200 - 300 ml) in small sips (dilution effect). Avoid vomiting.

4.2 The most important, urgent and delayed symptoms and effects

There are not known any typical symptoms and effects.

4.3 Information on immediate medical help or special treatment

No special measures required.

5. Fire fighting measures

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 precautions, protective equipment and emergency procedures

Note to untrained emergency personnel: Use appropriate protective equipment. Ensure adequate ventilation and avoid dust. Use of a dust mask is recommended.

6.2 Measures for environmental protection

The product shouldn't get into the canalisation, because it floats on the water due to its low density, and may cause a blockage of pipes.

6.3 Procedure to stop spillage and measures for cleaning

Remove spillage by sweeping, vacuuming or wet absorption. Cover sewer system to prevent the material from entering the sewer system.

6.4 Reference to another paragraph

Observe protective measures, see paragraphs 7, 8 and 13.

7. Handling and storage

7.1 Notes for safe handling

Avoid the formation of dust. The usage of a particle filtered protective mask FFP2 is required if the dust concentration rises above the reference value. Avoid contact with eyes. Avoid ingestion or inhalation.

7.2 Notes for safe storage in consideration of incompatibility

Protect against humidity.

7.3 Specific end-use

Please observe the technical data sheet.

Observe information documents on delivery forms, conveyance, transport options and storage. For pneumatic conveying, please observe the maximum conveying pressure of 0.8 bar.

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8. Exposure controls/personal protection

8.1 Parameters to be controlled

Exposure limits:	General maximum dust emission (ASGW) according to TRGS 900
Alveolar fraction:	1.25 mg/m ³ (A dust)
Exceedance factor:	8 (VIII); with an 8-fold exceedance of 1.25 mg/m ³ four times per shift over 15 minutes, no further exposure must occur, as otherwise the ASGW will be exceeded.
Total fraction inhalable dust:	10 mg/m ³ (E dust)
Exceedance factor:	2 (I); For a period of 15 minutes, the respective limit value may be exceeded by up to 2 times in one shift.

8.2 Limitation and controlling of the exposition

Personal protective equipment

Respiratory protection:	The usage of a particle filtered protective mask FFP2 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 suite in order to protect skin from irritation.
Specific hygienic measures:	Not applicable

Limitation and monitoring of environmental exposure

See paragraphs 6 and 7.

9. Physical and chemical properties

9.1 Information about the basic physical and chemical properties

Appearance

State of aggregation:	Solid granulate, grain size 1.0 - 4.0 mm
Colour:	Creamy white
Odour:	Odourless

Safety-relevant data

Odour threshold:	Not applicable
pH-value:	8 - 12 according to DIN EN ISO 787-9
Melting point/freezing point	
Melting temperature:	Approx. 900 °C, literature value for container glass
Initial boiling/Boiling range:	Not applicable
Flash point:	Non-combustible
Evaporation rate:	Not applicable
Flammability (solid, gaseous):	Not applicable
Upper/Lower flammability or explosion limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	
Bulk density:	In the range of 190 - 250 and 340 - 460 kg/m ³ depending on grain size, according to DIN EN 1097-3
Solubility:	Insoluble in water
Distribution coefficient n-Octanol/water:	Not applicable
Autoignition temperature:	Not applicable
Decomposition temperature:	
Softening point:	Approx. 700°C according to DIN ISO 7884-6
Viscosity:	Not applicable
Explosive properties:	
Dust explosion hazard:	Not applicable
Oxidizing properties:	Not applicable

9.2 Other specifications

No further information

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10. Stability and reactivity

10.1 Reactivity:	The product is not reactive.
10.2 Chemical stability:	The product is stable under normal temperature and pressure conditions.
10.3 Possible danger reactions:	When handled and stored as directed, no dangerous reactions occur.
10.4 Conditions to avoid:	At temperatures above 900° C, the product starts to melt.
10.5 Incompatibility (material to avoid):	The product dissolves on contact with hydrofluoric acid to form hexafluorosilicic acid (H_2SiF_6).
10.6 Hazardous decomposition or by-products:	Not applicable

11. Toxicological information

Information on toxicological effects:	There are no toxicological reports on the product.
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12. Environmental Information

12.1 Toxicity	Not applicable
12.2 Persistence and degradability	Biological nondegradable, as of mineral origin
12.3 Potential of bioaccumulation	Not applicable
12.4 Mobility in the soil	Not applicable
12.5 Results of the PBT- and vPvB-Evaluation	The product does not contain any substance that meets the PBT or vPvB criteria.
12.6. Further harmful effects	No data available.

13. Disposal notes

13.1 Waste treatment process

Disposal via waste water is not recommended.

Dispose the product in accordance with local regulations. Consult the exact waste code with the disposal company.

Name of waste	Lime-soda-silicate glass granulate
AVV waste code:	170202 (glass)
Packaging:	Not applicable

14. Transport information

14.1 UN-Number:	Not relevant
14.2 Proper UN-shipping name	Not relevant
14.3 Transport hazard classes:	Not relevant
14.4 Packing group:	Not relevant
14.5 Environmental hazards:	Not relevant
14.6 Special precautions for the user:	Protect from humidity; maximum pneumatic conveying pressure: 0.8 bar
14.7 Bulk commodity transport in accordance with appendix II of the MARPOL Convention and according to the IBC-Code:	Not relevant

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15. Legislation

15.1 Instructions for safety, health and environmental protection/specific legislation for the material or mixture:

Labelling in accordance to EG-guidelines

Danger symbol:	No labelling required
Danger defining components:	Not applicable
R-phrases:	Not applicable
S-phrases:	S 24/25 avoid contact with eyes and skin
Special identification of certain preparations:	Not applicable

German national guidelines

Classification according to „StörfallVO“:	Not applicable
Classification according to „VBF“:	Not applicable
Classification according to „TA-Luft“:	Not applicable
Water pollution classification:	Not hazardous to water, according to VwVwS appendix 3 No. 5 paragraph b
Resorption by Skin/Sensitizing:	No data available

15.2. Chemical safety assessment:

This product is exempt from the REACH-Registration obligation according to Regulation (EC) No. 1907/2006 appendix V.11 by amending Regulation No. 987/2008 of 8 October 2008.

16. Further information

This "Product Safety Information" replaces the Material Safety Data Sheet, because Extron Fireballs is no hazardous-substance according to the CLP regulation (see statement on the REACH Regulation for Extron Fireballs). We would like to point out that this is a voluntary service. There is no obligation for Pichler Modellbau GmbH to make these documents available. The details are based on the current state of our knowledge and serve to describe the product with regard to the applicable safety regulations. They do not represent any assurance of product properties and do not give reasons for any contractual legal relationship. Users must themselves decide on the suitability of this information for their particular purposes.

The data sheet is issued by following department: laboratory.

Statement on REACH Regulation for Extron Fireballs

Ladies and Gentlemen,

According to Regulation No. 987/2008 of 08.10.2008 amending the REACH Regulation with regard to appendixes IV and V, glass is exempted from the registration requirement. ^[1]

This means that the glass type on which Extron Fireballs is based is also exempt from registration.

During production, Extron Fireballs is given a specific shape, surface and design which determines its function to a greater extent than its chemical composition. It is therefore a product ^[2] which is not registered according to REACH.

For this reason, the product Extron Fireballs is not subject to registration.

We are grateful for any comments on this subject and are available for further questions.

Pichler Modellbau GmbH

^[1] www.reach-clp-biozid-helpdesk.de/DE/Home/Home_node.html; 11.06.2019

^[2] https://echa.europa.eu/documents/10162/23036412/articles_en.pdf; June 2017, Version 4.0