

Firebreak Compound

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) NO. 1907/2006 (REACH) WITH ITS AMENDMENT REGULATION (EU) 2020/878. ISSUE DATE: AUG 24

1. Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier

Product form: Substance.
Trade name: Firebreak Compound.
Product code: Fire resistant mortar.
Product group: Trade product.

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

Main use category: Professional use.
Use of substance/mixture: Construction and building materials.

1.2.1 Uses advised against

- Use on site in accordance with technical guidance available from Neutron Fire Technologies Limited

1.3 Details of the supplier of the safety data sheet

Company name and address: Neutron Fire Technologies Limited, Shire Hall, Lostwithiel, Cornwall PL22 0BS, United Kingdom.
Telephone: +44 (0)1208 871 185
Email: sales@neutronfire.com

1.4 Emergency telephone number

Emergency number: +44 (0)1208 871 185 (office hours only)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
 • Not classified

Adverse physicochemical, human health and environmental effects

- No additional information available

2.2 Label elements

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

Precautionary statements:

P305+P351+P338

- If in eyes, rinse cautiously with water for several minutes
- Remove contact lenses if present and easy to do
- Continue rinsing eyes with water

P304+P340

- If inhaled, remove person to fresh air and keep comfortable for breathing

P301+P330+P331

- If swallowed rinse mouth
- Do not induce vomiting

P264

- Wash hands, forearms and face thoroughly after handling

P280

- Wear eye protection, protective clothing

2.3 Other hazards

- Prevent formation of airborne dust
- The article does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal or greater than 0.1%.

3. Composition / information on ingredients

3.1 Substances

- Not applicable

3.2 Mixtures

Name	Product identifier	Content by weight (%)	Classification
According to Reg. (EC) 1272/2008 (CLP)			
Calcium sulphate hemihydrate	CAS No: 26499-65-0 ES No: 231-900-3	> 85%	Not classified
Perlite	CAS No: 93763-70-3	> 15%	Not classified

Comments: contains <1% organic substances

Continues on the next page.

4. First-aid measures

4.1 Description of first-aid measures

First-aid measures general:

- no precautions are necessary

First-aid measures after inhalation:

- Avoid creating dust
- Remove to fresh air
- Get medical advice

First-aid measures after skin contact:

- Wash skin with plenty of water
- Get medical advice if skin irritation occurs

First-aid measures after eye contact:

- Rinse eyes with water as a precaution
- Get medical advice

First-aid measures after ingestion:

- Call a poison centre or a doctor if you feel unwell
- Do not induce vomiting

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects:

- Not expected to present a significant hazard under normal conditions of use

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

- Water spray
- Dry powder
- Foam

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

- The product is non-combustible

5.3 Advice for firefighters

Protection during firefighting:

- Do not attempt to take action without suitable protective equipment
- Self-contained breathing apparatus
- Wear protective clothing

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures:

- Ventilate spillage area
- Avoid dust in sweeping up

6.1.2 For emergency responders

Protective equipment:

- Use personal protective equipment (PPE)

6.2 Environmental precautions

- Avoid release to the environment

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

- Avoid dust formation
- Sweep up spilled material

Other information:

- Dispose of materials or solid residues at an authorised site

6.4 Reference to other sections

For further information refer to section 8:

Exposure controls/personal protection.

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

- Ensure good ventilation of the workstation
- Avoid dust formation
- Wear personal protective equipment

Hygiene measures:

- Do not eat, drink or smoke when using this product
- Always wash hands after handling the product

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

- Store in a well-ventilated place
- Keep cool
- Protect from moisture
- Keep packaging closed when not in use

7.3 Specific end use(s)

- No additional information available

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

Occupational exposure limits – Calcium sulphate hemihydrate

WEL TWA (OEL TWA) [1]

10mg/m³, 8 hour period

WEL STEL (OEL STEL)

30mg/m³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

- Ensure good ventilation of the work station

8.2.2 Personal protection equipment

- Dust formation
- Use a dust mask
- Use safety glasses

Personal protective equipment symbol(s):



8.2.2.1 Eye and face protection

Eye protection:

- Safety glasses to Standard EN 166

8.2.2.2 Skin protection

Skin and body protection:

- Wear suitable protective clothing

Hand protection:

- Protective gloves

8.2.2.3 Respiratory protection

Respiratory protection:

- Dust masks, respiratory type P2

8.2.3 Environmental exposure controls

Environmental exposure controls:

- Avoid release to the environment

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:

- Solid

Colour:

- Off white / cream

Odour:

- Odourless

Odour threshold:

- Not available

Melting point:

- Above 1000°

Freezing point:

- Not applicable

Boiling point:

- Not available

Flammability:

- Non-flammable

Explosive limits:

- Not available

Lower explosion limit:

- Not available

Higher explosion limit:

- Not available

Flash point:

- Not available

Auto-ignition temperature:

- Not available

Decomposition temperature:

- Not available

pH:

- Not available

Viscosity:

- Kinematic: Not applicable

Solubility:

- Not soluble in water

Partition coefficient n-octanol/water:

- Not available

Vapour pressure:

- Not available

Vapour pressure at 50°C:

- Not available

9. Physical and chemical properties *continued*

9.1 Information on basic physical and chemical properties *continued*

Density:

- Not available

Relative density:

- Not available

Relative vapour density at 20°C:

- Not available

Particle characteristics:

- Not applicable

9.2. Other information

9.2.1 Information with regard to physical hazard classes

- No additional information available

9.2.2 Other safety characteristics

- No additional information available

10. Stability and reactivity

10.1 Reactivity

- The product is non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability

- Stable under normal conditions

10.3 Possibility of hazardous reactions

- No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid

- None under recommended storage and handling conditions

10.5 Incompatible materials

- Avoid acids
- Avoid strong bases

- Avoid oxidising agents

- Under normal conditions of use, hazardous decomposition products should not be produced

10.6 Hazardous decomposition products

- Under normal conditions of storage and use, hazardous decomposition products should not be produced

Thermal decomposition products:

- Aldehydes
- Carbon dioxide
- Carbon monoxide
- Organic acids
- Alcohols
- Ammonia

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral):

- Not classified

Acute toxicity (dermal):

- Not classified

Acute toxicity (inhalation):

- Not classified

Skin corrosion/irritation:

- Not classified

Eye damage/irritation:

- Not classified

Respiratory or skin sensitisation:

- Not classified

Germ cell mutagenicity:

- Not classified

Carcinogenicity:

- Not classified

Reproductive toxicity:

- Not classified

STOT-single exposure:

- Not classified

STOT-repeated exposure:

- Not classified

Aspiration hazard:

- Not classified

12. Ecological information

12.1 Toxicity

Hazardous to the aquatic environment:

- Not classified for short-term (acute)
- Not classified for long-term (chronic)
- Not rapidly degradable

12.2 Persistence and degradability

- No additional information available

12.3 Bio-accumulative potential

- No additional information available

12.4 Mobility in soil

- No additional information available

12.5 Results of PBT and vPvB assessment

- No additional information available

12.6 Other adverse effects

- No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Waste treatment methods:

- Dispose of contents/container in accordance with licensed collector's sorting instructions

Product / packaging disposal recommendations:

- Contaminated packages should be as empty as possible
- Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal
- Recycle following cleaning or dispose of at an authorised site

14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1 UN number or ID number

UN-No. (ADR):

- Not applicable

UN-No. (IMDG):

- Not applicable

UN-No. (IATA):

- Not applicable

UN-No. (ADN):

- Not applicable

UN-No. (RID):

- Not applicable

14.2 UN proper shipping name

Proper shipping name (ADR):

- Not applicable

Proper shipping name (IMDG):

- Not applicable

Proper shipping name (IATA):

- Not applicable

Proper shipping name (ADN):

- Not applicable

Proper shipping name (RID):

- Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR):

- Not applicable

Transport hazard class(es) (IMDG):

- Not applicable

Transport hazard class(es) (IATA):

- Not applicable

Transport hazard class(es) (ADN):

- Not applicable

Transport hazard class(es) (RID):

- Not applicable

14.4 Packing group

Packing group (ADR):

- Not applicable

Packing group (IMDG):

- Not applicable

Packing group (IATA):

- Not applicable

Packing group (ADN):

- Not applicable

Packing group (RID):

- Not applicable

14.5 Environmental hazards

Dangerous to the environment:

- No

Marine pollutant:

- No

Other information:

- No supplementary information available

14. Transport information *continued*

14.6 Special precautions for user

Overland transport:

- Not applicable

Transport by sea:

- Not applicable

Air transport:

- Not applicable

Inland waterway transport:

- Not applicable

Rail transport:

- Not applicable

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

15. Regulatory information

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

15.1.1. EU-Regulations REACH Annex XVII (Restriction List)

- Contains no REACH substances with Annex XVII restrictions
REACH Annex XIV (Authorisation List)
- Contains no REACH Annex XIV substances
REACH Candidate List (SVHC)
- Contains no substance on the REACH candidate list

15.1.2. National regulations

- No additional information available

15.2. Chemical safety assessment

- No chemical safety assessment has been carried out

16. Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. Therefore, it should not be construed as guaranteeing any specific property of the product.

