

SAFETY DATA SHEET (SDS)

SDS Compliant with REACH Regulation (EC) No 1907/2006 – N° 453/2010



ARC -FIRE CEMENT

Version No. 2


Revision Date:
14/09/2017

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier.	Product Name: Fire Cement.	
1.2. Relevant identified uses of the substance or mixture and uses advised against.	Identified uses: Trowel or knife applied cement in a bucket for use as a joint gap filler to act as a smoke tight seal. Uses advised against: Any other uses other than the advised purpose.	
1.3. Details of the supplier of the datasheet.	Arc Building Products IDA Business & Tech Park Ballynattin Arklow Co. Wicklow Ireland	Tel: +353 (0)402 32370 Fax: +353 (0)402 24168 sales@arcbuildingproducts.ie
1.4. Emergency Phone Number	Tel: +353 (0)402 32370 (Office Hours Only)	

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture. 2.1.1. Classification according to regulation (EC) No 1272/2008 [CLP].	Eye Damage. Category 1: H318
2.2. Label elements. 2.2.1. Classification according to regulation (EC) No 1272/2008 [CLP].	 Signal word; DANGER . Hazard statements; H318 Causes serious eye damage. Precautionary Statements – General; P103 Keep out of reach of children. Precautionary Statements – Prevention; P280 Wear eye protection/face protection/gloves. Precautionary Statements – Response; P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Description of mixture: Homogeneous mixture of inorganic fillers and water based thermosetting resins.

Hazardous ingredients:

Name	CAS No.	EC No.	REACH Registration No.	% (weight)	Classification according to Regulation (EC) No 1278/2008 (CLP).
Silicic acid, sodium salt (1.6<MR<=2.6)	1344-09-8	215-687-4	01-2119448725-31-xxxx	>3 - <10	Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT SE 3, H335

Additional information: For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation:

Move affected person away from contaminated area and into the fresh air. If symptoms persist, seek medical advice.

Following skin contact:

Remove contamination and wash affected area thoroughly with soap and water.

Following eye contact:

Immediately irrigate eye thoroughly with eye wash solution or clean water for at least 20 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Medical attention must be obtained after the first aid treatment has been given.

Following ingestion:

If confined to the mouth, do not swallow; wash out mouth with water. If swallowed, drink plenty of water (at least 300ml) and seek medical advice showing the container/label/safety data sheet. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed.

There is risk of serious damage to eyes. Skin contact may defat and dry skin leading to possible irritation and dermatitis due to alkaline nature of the material.

4.3. Indication of any immediate medical attention and special treatment needed.

No data available

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media;

Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool containers exposed to fire.

Unsuitable extinguishing media;

None known.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products;

None established.

5.3. Advice for firefighters

A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

<p>6.1. Personal precautions, protective equipment and emergency procedures.</p> <p>6.1.1. For non-emergency personnel. Protective equipment: Emergency procedures:</p>	<p>Avoid contact with skin and eyes. Do not breathe vapours and ventilate the area. Wear suitable protective equipment before clean up.</p> <p>Avoid contact with skin and eyes. Do not breathe vapours and ventilate the area.</p> <p>Wear suitable protective equipment before clean up.</p>
<p>6.2. Environmental precautions:</p>	<p>Prevent material from entering surface waters and drains.</p>
<p>6.3. Methods and material for containment and cleaning up.</p> <p>6.3.1. For containment:</p> <p>6.3.2. For cleaning up:</p> <p>6.3.3. Other information:</p>	<p>Scrape up and place in a container fitted with a lid. Dispose of in accordance with local regulations.</p> <p>Scrape up and place in a container fitted with a lid. Dispose of in accordance with local regulations. The spilled product produces an extremely slippery surface.</p> <p>No information available.</p>
<p>6.4. Reference to other sections</p>	<p>See SECTION 8 and 13.</p>

SECTION 7. HANDLING AND STORAGE

<p>7.1. Precautions for safe handling</p> <p>Measures to prevent fire: Measures to prevent aerosol and dust generation: Measures to protect the environment:</p>	<p>No special measures required.</p> <p>No special measures required.</p> <p>Prevent material from entering surface waters and drains.</p>
<p>7.2. Conditions for safe storage, including any incompatibilities.</p>	<p>Do not store with oxidising agents. Keep container closed and away from moisture. Protect from frost.</p>
<p>7.3. Specific end use(s).</p>	<p>Trowel or knife applied cement in a bucket for use as a joint gap filler to act as a smoke tight seal.</p>

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Maximum airborne concentrations at the workplace: Silicic acid, sodium salt; No Occupational Exposure limit assigned. The exposure limit below is recommended by analogy with sodium hydroxide.

Name	CAS No.	Type	Mg/m ³	ppm
Silicic acid	1344-09-8	15 min TWA	2	-

Derived No-Effect Level (DNEL); Silicic acid.

Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	-	-	-	-	-	-	-	0.80mg/kg
Inhalation	-	-	-	5.61mg/m ³	-	-	-	1.38mg/m ³
Dermal	-	-	-	1.59mg/kg	-	-	-	0.80mg/kg

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Predicted No Effect Concentration (PNEC); Silicic acid

Environmental protection target	PNEC Value
Fresh water	7.5mg/l
Freshwater sediments	1mg/l
Marine water	7.5mg/l
Marine sediments	Not available
Food chain	Not available
Microorganisms	Not available
Soil (agricultural)	Not available
Sewage treatment plant	348mg/l

8.2. Exposure control

8.2.1. Appropriate engineering controls:

Not applicable

8.2.2. Personal protection equipment:

8.2.2.1. Eye face protection:

Safety glasses / suitable eye protection should be worn.

8.2.2.2. Skin protection:

Avoid contact with skin. Chemical resistant gloves should be worn where contact is likely to occur.

8.2.2.3. Respiratory protection:

General ventilation is recommended.

8.2.2.4. Thermal hazards:

None Known.

8.2.3. Environmental exposure controls:

Refer to SECTION 6 & 12.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

- | | |
|---|---|
| a) Appearance: Stiff paste | k) Vapour pressure: no data available |
| b) Odour: Non | l) Vapour density: no data available |
| c) Odour Threshold: n/a | m) Relative Density: 2.0g/cm ³ @ 20°C (water = 1) |
| d) pH: 9-11 | n) Solubility (ies): Miscible in water |
| e) Melting point / freezing point: no data available | o) Partition coefficient: n-octanol / water: no data available |
| f) Initial boiling point and boiling range: no data available | p) Auto-ignition temperature: no data available |
| g) Flash point: no data available | q) Decomposition temperature: no data available |
| h) Evaporation rate: no data available | r) Viscosity: no data available |
| i) Flammability (solid, gas): no data available | s) Explosive properties: no data available |
| j) Upper / lower flammability or explosive limits: no data available | t) Oxidising properties: no data available |

9.2 Other Information:

no data available

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity	If stored and handled in accordance with standard industrial practices no hazardous reactions are known.
10.2 Chemical stability	Stable at room temperature
10.3 Possibility of Hazardous Reactions	No hazardous reactions are expected during intended use.
10.4 Conditions to Avoid	No data available
10.5 Incompatible Materials	Avoid contact with acids, strong oxidising agents, strong reducing agents, aldehydes, inorganic nitrates.
10.6 Hazardous decomposition products	During combustion Carbon Monoxide (CO) and Carbon Dioxide (CO ₂) will be generated.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds
Irritation:	Not classified. The product does not contain ingredients classified as irritant above the classification thresholds.
Corrosivity:	Not classified. The product does not contain ingredients classified as corrosive above the classification thresholds.
Sensitisation:	Not classified. The product does not contain ingredients classified as sensitising above the classification thresholds.
Repeated dose toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds.
Carcinogenicity:	Not classified. The product does not contain ingredients classified as carcinogenic above the classification thresholds.
Mutagenicity:	Not classified. The product does not contain ingredients classified as mutagenic above the classification thresholds.
Toxicity for reproduction:	Not classified. The product does not contain ingredients classified as repro. toxic above the classification thresholds
Further toxicological information:	No further data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:	Not classified. The product does not contain ingredients classified as toxic above the classification thresholds.
12.2. Persistence and degradability:	Contains biodegradable and non-biodegradable components.
12.3. Bioaccumulative potential:	No potential for bioaccumulation.
12.4. Mobility in soil:	Mobility in the natural environment is likely to be very low.
12.5. Results of PBT and vPvB testing:	Not classified as PBT or vPvB.
12.6. Other adverse effects:	None known

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12.7. Additional information:	None known			
SECTION 13. DISPOSAL CONSIDERATIONS				
13.1. Waste treatment methods:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.			
13.1.1. Product / packaging disposal: Waste codes / waste designations according to LoW:	Dispose of in accordance with local regulations. Do not empty product into drains. According to the European catalogue, waste codes are not product specific, but application specific. The user should assign waste codes, preferably in discussion with the waste disposal authorities.			
13.1.2. Waste treatment-relevant information:	No Data available			
13.1.3. Sewage disposal-relevant information:	No data available			
13.1.4. Other disposal recommendations:	No data available			
SECTION 14. TRANSPORT INFORMATION				
	Road ADR	Railway RID	Sea - IMDG Code	Air – ICAO-TI/IATA-DGR
14.1. UN Number	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.2. UN proper shipping name	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.3. Transport hazard class(es)	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.4. Packing Group	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.5. Environmental hazards	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.6. Special precautions for user	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code"	Not Applicable.	Not Applicable.	Not Applicable.	Not Applicable.
SECTION 15. REGULATORY INFORMATION				
15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	The product has been assessed in accordance with CLP.			
15.2 Chemical Safety Assessment.	A chemical safety assessment has not been carried out.			

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SECTION 16. OTHER INFORMATION

Indication of changes:

Section changed from previous version: SECTIONS 2, 15 & 16.

Abbreviations / Acronyms used:

CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS# - Chemical Abstracts Service number.

PBT - Persistent, Bioaccumulative and Toxic substance.

VPvB - Very Persistent and Very Bioaccumulative.

UN - United Nations.

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Relevant R-phrases and/or H-statements (number and full text):

According to Regulation (EC) No 1278/2008 (CLP/ GHS);

H315 Causes skin irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

P280 Wear eye protection/face protection/gloves

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

This Product Safety Data Sheet was prepared in compliance with article 31 and Annex II of the EU REACH regulation as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Arc BP's literature. It is the responsibility of the persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose of or in any way come in to contact with the product. If the recipient subsequently produces a formulation containing the Hodgson product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Arc BP's Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH regulation.

All information and instructions provided in the Product Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Product Safety Data Sheet. Arc BP shall not be held responsible for any defect in the product covered by this Product Safety Data Sheet, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.