



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

Supersedes date 26-Apr-2021

Revision date 06-Oct-2025

Revision Number 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 5200569595
5200104281

Product Name Blue Hawk Quick Set Cement Bucket 5 kg
Blue Hawk Quick Set Cement Bag 2.5 kg

Synonyms None

Pure substance/mixture Mixture

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

Recommended use Cement

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Supplier

Okarno Ltd
Pasture Lane
Ruddington
Nottingham
Nottinghamshire
NG11 6AE
Tel: +44 (0) 800 032 6345

For further information, please contact

E-mail address OkarnoTechnical@saint-gobain.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 800 032 6345 (9am - 5pm, Monday to Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Skin irritation	Category 2 - (H315)
Serious eye damage	Category 1 - (H318)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Respiratory irritation	

2.2. Label elements

Contains Cement, portland, chemicals; Calcium oxide



Signal word

Danger

Hazard statements

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary statements

P102 - Keep out of reach of children.
P261 - Avoid breathing dust.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P501 - Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

Other hazards

Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns. May cause damage to products made of aluminium or other non-noble metals.

PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No. (Index No.)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Cement, portland, chemicals 65997-15-1	50 - <75	266-043-4	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1B (H317) STOT SE 3 (H335)	-	-	-	-
Quartz (SiO ₂) 14808-60-7	25 - <50	238-878-4	-	[C]	-	-	-	-
Limestone 1317-65-3	3 - <5	215-279-6	-	[C]	-	-	-	-
Aluminium oxide	1 - <3	215-691-6	-	[C]	-	-	-	-

1344-28-1									
Calcium oxide 1305-78-8	1 - <2.5	215-138-9	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335)	-	-	-	-	-
Dipotassium oxide 12136-45-7	0.5 - <1	235-227-6	-	Skin Corr. 1A (H314) Eye Dam. 1 (H318)	-	-	-	-	-
Flue dust, portland cement 68475-76-3	0.5 - <1	270-659-9	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1B (H317) STOT SE 3 (H335)	-	-	-	-	-
Iron oxide 1309-37-1	0.1 - <0.5	215-168-2	-	[C]	-	-	-	-	-
Aluminium sulphate 10043-01-3	0.1 - <0.5	233-135-0	-	Met. Corr. 1 (H290) Eye Dam. 1 (H318)	-	-	-	-	-
Ashes (residues) 68131-74-8	0.1 - <0.5	268-627-4	-	[C]	-	-	-	-	-
Iron sulphate 7720-78-7	0.1 - <0.5	231-753-5 (026-003-00-7)	-	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-	-	-	-	-
Magnesium oxide 1309-48-4	0.1 - <0.5	215-171-9	-	[C]	-	-	-	-	-
Titanium dioxide 13463-67-7	<0.1	236-675-5 (022-006-00-2)	-	[C]	-	-	-	-	V,W,10

Classification according to GB CLP (SI 2020/1567 as amended)

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

In the absence of LD50/LC50 data, the conversion value (converted acute toxicity point estimate) may be indicated here; please note that these values do not represent test results

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Aluminium oxide 1344-28-1	15915.9	No data available	No data available	No data available	No data available
Calcium oxide 1305-78-8	2002	2502.5	6.046	No data available	No data available
Flue dust, portland cement 68475-76-3	No data available	2000	No data available	No data available	No data available
Iron oxide 1309-37-1	10010	No data available	No data available	No data available	No data available
Aluminium sulphate 10043-01-3	1930	5005	No data available	No data available	No data available
Ashes (residues) 68131-74-8	2002	No data available	No data available	No data available	No data available
Iron sulphate 7720-78-7	319	No data available	No data available	No data available	No data available
Magnesium oxide 1309-48-4	3990 3870	No data available	No data available	No data available	No data available
Titanium dioxide 13463-67-7	2002	No data available	5.0951	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention. If breathing is difficult, (trained personnel should) give oxygen.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention.
Skin contact	Brush off loose particles from skin. Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wet/damp cement: For severe burns, immediate medical attention is required.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms	Skin irritation. Product dust may be irritating to eyes, skin and respiratory system. Burning sensation. Itching. Rashes. Hives.
Effects of Exposure	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Prolonged contact with moist or wet product may cause burns.

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

Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Product is or contains a sensitiser. May cause sensitisation by skin contact.
Hazardous combustion products	Harmful gases or vapours.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Evacuate area. Avoid inhalation of material or combustion by-products. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective
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clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Wear personal protective clothing (see section 8). Avoid breathing dust. Minimise dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Do not touch or walk through spilled material. Wash thoroughly after handling.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Collect spillage. Do not allow into any sewer, on the ground or into any body of water. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Wear personal protective clothing (see section 8). Avoid breathing dust. Clear up spills immediately and dispose of waste safely. Wash thoroughly after handling.

Dry cement: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Avoid generation of dust. Keep in suitable, closed containers for disposal. Solidify before disposal.

Wet/damp cement: Clean up spill immediately. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Allow material to dry and solidify before disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practice. Read and follow manufacturer's recommendations. Wear personal protective equipment. Keep away from food, drink and animal feedingstuffs. Do not handle broken packages without protective equipment. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Take off immediately all contaminated clothing and wash it before reuse. Change work clothing daily before leaving workplace. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
Cement, portland, chemicals 65997-15-1	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ (Silica, respirable crystalline) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)
Limestone 1317-65-3	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Aluminium oxide 1344-28-1	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Calcium oxide 1305-78-8	TWA: 1 mg/m ³ ; respirable fraction TWA: 2 mg/m ³ ; STEL: 4 mg/m ³ ; respirable fraction STEL: 6 mg/m ³ ;
Iron oxide 1309-37-1	TWA: 5 mg/m ³ ; fume TWA: 10 mg/m ³ ; total inhalable TWA: 4 mg/m ³ ; respirable STEL: 10 mg/m ³ ; fume STEL: 30 mg/m ³ ; total inhalable STEL: 12 mg/m ³ ; respirable
Aluminium sulphate 10043-01-3	TWA: 2 mg/m ³ ; STEL: 6 mg/m ³ ;
Ashes (residues) 68131-74-8	TWA: 1 mg/m ³ ; dust and mist STEL: 2 mg/m ³ ; dust and mist
Iron sulphate 7720-78-7	TWA: 1 mg/m ³ ; STEL: 2 mg/m ³ ;
Magnesium oxide 1309-48-4	TWA: 10 mg/m ³ ; inhalable dust; fume TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; fume and respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³ ; total inhalable TWA: 4 mg/m ³ ; respirable STEL: 30 mg/m ³ ; total inhalable

	STEL: 12 mg/m ³ ; respirable
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Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Calcium oxide 1305-78-8			1 mg/m ³ [5] [6] 4 mg/m ³ [5] [7]
Dipotassium oxide 12136-45-7		9.1 mg/kg bw/day [4] [6] 200 mg/kg bw/day [4] [7] 1.124 mg/cm ² [5] [6] 1.124 mg/cm ² [5] [7]	15.83 mg/m ³ [4] [6] 15.83 mg/m ³ [4] [7] 15.83 mg/m ³ [5] [6] 15.83 mg/m ³ [5] [7]
Flue dust, portland cement 68475-76-3			0.84 mg/m ³ [5] [6] 4 mg/m ³ [5] [7]
Iron sulphate 7720-78-7		2.8 mg/kg bw/day [4] [6]	

Notes

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Calcium oxide 1305-78-8			1 mg/m ³ [5] [6] 4 mg/m ³ [5] [7]
Dipotassium oxide 12136-45-7	182 mg/kg bw/day [4] [6] 182 mg/kg bw/day [4] [7]	100 mg/kg bw/day [4] [6] 100 mg/kg bw/day [4] [7] 0.562 mg/cm ² [5] [6] 0.562 mg/cm ² [5] [7]	7.913 mg/m ³ [4] [6] 7.9 mg/m ³ [4] [7] 7.913 mg/m ³ [5] [6] 7.913 mg/m ³ [5] [7]
Flue dust, portland cement 68475-76-3			0.84 mg/m ³ [5] [6]
Iron sulphate 7720-78-7	0.28 mg/kg bw/day [4] [6] 20 mg/kg bw/day [4] [7]		

Notes

- [4] Systemic health effects.
- [5] Local health effects.
- [6] Long term.
- [7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Aluminium oxide 1344-28-1	74.9 µg/L				
Calcium oxide 1305-78-8	0.37 mg/L	0.37 mg/L	0.24 mg/L	0.24 mg/L	
Dipotassium oxide	9.176 mg/L	2 mg/L	0.918 mg/L		

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
12136-45-7					
Flue dust, portland cement 68475-76-3	282 µg/L	282 µg/L	28 µg/L		
Aluminium sulphate 10043-01-3	150 mg/kg food 4.5 mg/L	30.11 mg/L	150 mg/kg food 64 mg/L		2 mg/m ³

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Aluminium oxide 1344-28-1			20 mg/L		
Calcium oxide 1305-78-8			2.27 mg/L	817.4 mg/kg soil dw	
Dipotassium oxide 12136-45-7	17.75 mg/kg sediment dw	1.78 mg/kg sediment dw	2.2 mg/L	85 mg/kg soil dw	
Flue dust, portland cement 68475-76-3	875 µg/kg sediment dw	88 µg/kg sediment dw	6 mg/L	5 mg/kg soil dw	
Aluminium sulphate 10043-01-3	10 mg/kg sediment dw	31.4 mg/kg sediment dw	60.2 mg/L	58 mg/kg soil dw	

8.2. Exposure controls

Engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Provide extract ventilation at the points where emissions occur. Ensure the ventilation system is regularly maintained and tested.

Personal protective equipment

Eye/face protection

Eye protection must conform to standard EN 166. Tight sealing safety goggles.

Hand protection

Wear suitable gloves. Impervious gloves. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. During work, avoid kneeling in fresh mortar or concrete wherever possible. If necessary, appropriate waterproof personal protective equipment must be worn. Barrier creams may help to protect the exposed areas of skin.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. The type of respiratory protection should be adapted to the dust level. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Grey Powder

Physical state	Solid	
Colour	Grey	
Odour	Almost odorless	
Odour threshold	No information available	
Property	Values	Remarks • Method
pH	11 - 13.5	@ 20 °C
pH (as aqueous solution)		No data available
Melting point / freezing point	> 1250 °C	No data available
Initial boiling point and boiling range		No data available
Flash point		No data available
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapour pressure		No data available
Relative vapour density		No data available
Relative density	2.75 - 3.20	No data available
Bulk density		No data available
Liquid Density		No data available
Solubility(ies)		No data available
Water solubility	Slightly soluble	No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
Kinematic viscosity		Not applicable
Dynamic viscosity		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available
9.2. Other information		
Molecular weight	No information available	
VOC content	No information available	
Softening point	No information available	

Information with regards to physical hazard classes

Explosives	
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidizing.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity When mixed with water, cement will harden into a stable mass. No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stability Stable under normal conditions. Stable under recommended storage conditions.

Explosion data

 Sensitivity to mechanical impact None.
 Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Humid storage conditions.

10.5. Incompatible materials

Incompatible materials Acids, Ammonium salts, Aluminium.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Burning. Itching. Rashes. Hives. Cement in contact with wet skin may cause thickening, cracking or fissuring of the skin. Prolonged contact in combination with abrasion may cause severe burns.

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Cement, portland, chemicals	-	> 2000 mg/kg (Rabbit)	-
Aluminium oxide	> 5000 mg/kg (Rat)	-	7.6 mg/l
Calcium oxide	> 2000 mg/kg (Rat)	> 2500 mg/kg (Rat)	> 6.04 mg/L (Rat) 4 h
Flue dust, portland cement	-	>= 2000 mg/kg (Rat)	> 6.04 mg/L (Rat) 4 h
Iron oxide	> 10000 mg/kg (Rat)	-	-

Aluminium sulphate	= 1930 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Ashes (residues)	> 2000 mg/kg (Rat)	-	-
Iron sulphate	= 319 mg/kg (Rat)	-	-
Magnesium oxide	= 3990 mg/kg (Rat) = 3870 mg/kg (Rat)	-	-
Titanium dioxide	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Causes serious eye damage.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other adverse effects	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Based on available data, the classification criteria are not met. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aluminium oxide	EC50 = >100 mg/l (Selenastrum)	LC50 = >100 mg/l (Salmo trutta,	-	EC50 = >100 mg/l (Daphnia Magna,

	Capricornutum, type: acute)	type: acute)		type: acute)
Calcium oxide	-	LC50: =1070mg/L (96h, Cyprinus carpio)	-	-
Iron oxide	-	LC50: =100000mg/L (96h, Danio rerio)	-	-
Aluminium sulphate	-	LC50: =27.9mg/L (96h, Pimephales promelas)	-	-
Iron sulphate	-	LC50: =925mg/L (96h, Poecilia reticulata) LC50: =0.56mg/L (96h, Cyprinus carpio)	-	EC50: =152mg/L (48h, Daphnia magna) EC50: 6.15 - 9.26mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil The product is partly soluble in water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Cement, portland, chemicals	Not PBT/vPvB
Aluminium oxide	Not PBT/vPvB
Calcium oxide	Not PBT/vPvB
Dipotassium oxide	Not PBT/vPvB
Flue dust, portland cement	PBT assessment does not apply
Iron oxide	Not PBT/vPvB
Aluminium sulphate	Not PBT/vPvB
Ashes (residues)	Not PBT/vPvB
Iron sulphate	Not PBT/vPvB
Titanium dioxide	Not PBT/vPvB

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Reuse or recycle wherever possible. Waste should not be disposed of by releasing to water source, drains, sewers, or the ground. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Note: For unused residue or dry spillages: Prior to disposal, harden with water. For slurries: Prior to disposal, allow to harden.

Contaminated packaging Do not reuse empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

IATA	Not regulated
14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
IMDG	Not regulated
14.1 UN number or ID number	Not regulated
14.2	
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available
RID	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
ADR	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

Authorisations and/or restrictions on use:

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

Chemical name	Restricted substance per UK REACH Annex XVII	Substance subject to authorization per UK REACH Annex XIV
Cement, portland, chemicals 65997-15-1	Use restricted. See item 47.	-
Ashes (residues) 68131-74-8	Use restricted. See item 27.	-

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH (SI 2015/483 as amended)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Ashes (residues) 68131-74-8	-	1

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
Calcium oxide 1305-78-8	Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene
Iron sulphate 7720-78-7	Simplified procedure - Category C

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons and Explosives Precursor per Poisons Act 1972

Not applicable.

International Inventories

Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves, protective clothing, eye protection and face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P321 - Specific treatment (see supplemental first aid instructions on this label)
P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P261 - Avoid breathing dust, fume, gas, mist, vapors and spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance

PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitiser
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method

Acute aquatic toxicity	On basis of test data
Chronic aquatic toxicity	On basis of test data
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

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End of Safety Data Sheet