PRODUCT SAFETY DATA SHEET

This generic SDS is provided by MGS Ltd to give information to assist with material handling of the products listed which are conforming to Regulation (EC) 1272/2008 (CLP) and Annex II of the REACH Regulation (EC) 1907/2006 as amended by Regulation 453/2010.

Doc No:	HS8 C42-038
Version:	MGS 6/JS
Date:	October 2026
Review Date:	October 2027

SECTION 1: Identification of the substance / mixture and of the company / undertaking	
1.1 Product Identifier	
Product Name:	**Post Mix**
Synonyms / Trade Name:	Post Mix
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Recommended Use:	A solid foundation for products such as security covers as well as flush and upright covers, marker posts and bollards.
Restriction on Use:	For industrial use only.
Physical Properties:	Dry powder with slight earthy odour.
1.3 Details of the supplier of the Safety Data Sheet	
Name:	MGS Ltd
Address:	Rougham Industrial Estate, Bury St Edmunds, IP30 9ND
Country:	UK
Phone N°:	+44 1359 271167
Email:	info@mgs.co.uk
Website:	www.mgs.co.uk
1.4 Emergency telephone number	
Emergency telephone at the company	+44 7738 197 517
Available outside office hours:	Yes
Language of the phone service:	English
E-mail of competent person responsible	darren.portway@mgs.co.uk
National contact:	Darren Portway

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Irritant/Corrosive

Irritating to eyes and skin. Risk of serious damage to eyes. May cause burns in the presence of moisture due to generation of strong alkaline solution of calcium hydroxide. May cause allergic dermatitis due to the sensitivity of an individual's skin to soluble chromium (VI) in the presence of moisture. Dust may cause irritation of the respiratory tract.

Hazard Class	Hazard Category	Classification Procedure
Skin irritation	2	On the basis of test data
Serious eye damage/eye irritation	1	On the basis of test data
Skin sensitization	1	On the basis of literature survey
Specific target organ toxicity single exposure respiratory tract irritation	3	On the basis of literature survey

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) 1272/2008 (CLP):

Signal word: Danger



Hazard Statements	
H318	Causes serious eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
Precautionary Statements	
P102	Keep out of reach of children
P280	Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.
P302+P352+P333+P313	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312	Avoid breathing dust/fumes, gas, mist, vapours, spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician.
P501	Dispose of contents/container according to local regulations.

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

2.3 Other hazards

Long term exposure to dust can lead to the development of lung disease during mechanical cutting, grinding or sanding of the set product.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Ingredient	%	Reach Reg No.	CAS No.	EC No.	CLP Hazard Category	Hazard Statements
Portland Cement (CEM 1)	5-30	N/a	6599715-1	266043-4	(1) STOT SE 3 (2) Skin irritation 2 (3) Serious eye damage/ eye irritation 1 (4) Skin sensitization 1	(1) H335 – May cause respiratory irritation. (2) H315 – Causes skin irritation (3) H318 – Causes serious eye damage (4) H317 – May cause an allergic skin reaction

3.2 Mixtures

The principal constituents of this product include Calcium and Ferro Silicates, Ferro Sulphates and Aluminates along with small amounts of Alkalis, Lime, and Chlorides together with trace amounts of Chromium Compound. Hazardous Ingredient- Calcium Hydroxide generated on contact with water. Hexavalent chromium salts dissolve in water.

SECTION 4: First Aid Measures	
4.1 Description of first aid measures	
Skin contact	Remove affected clothing, footwear, watches, jewellery etc. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs.
Ingestion	Immediately rinse mouth and drink plenty of water. Do not induce vomiting. Seek immediate medical advice if person becomes uncomfortable. Show the container or label used.
Inhalation (dust)	Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention if irritation persists or later develops or if discomfort, coughing or other symptoms persist.
Eye contact	**Speed is essential.** Immediately wash eyes with plenty of eyewash solution or running water, holding eyelids apart for 15 minutes. Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Always seek further specialist medical/eye specialist attention to check that all particles have been removed.
4.2 Most important symptoms and effects, both acute and delayed	
Skin contact	Product may have an irritating effect on moist skin (due to sweat or humidity) after prolonged contact or may cause contact dermatitis after repeated contact. Prolonged skin contact with wet mortar or concrete may cause serious burns because they develop without pain being felt (for example when kneeling in wet product even when wearing trousers).
Ingestion	Gastrointestinal irritation, including nausea and vomiting, abdominal pain, diarrhoea, and chemical burns to the mouth, throat, oesophagus and stomach lining.
Inhalation (dust)	Irritating to the respiratory tract in high concentration.
Eye contact	Eye contact with mortar (dry or wet) may cause serious and potentially irreversible injuries.
4.3 Indication of any immediate medical attention and special treatment needed	
When contacting further medical advice. Show container, label or this SDS sheet.	
SECTION 5: Fire Fighting Measures	
5.1 Extinguishing media	
The product is non-combustible. Use a dry powder, foam or CO2 fire extinguisher to extinguish the surrounding fire. Use extinguisher measures appropriate to local circumstances and the surrounding environment.	
5.2 Special hazards arising from the substance or mixture	
None identified.	
5.3 Advice for fire fighters	
None identified	
SECTION 6: Accidental Release Measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
Wear suitable protective equipment (see section 8).	
6.2 Environmental precautions	
Do not wash product down sewage and drainage systems or into bodies of water (e.g. streams).	

6.3 Methods and material for containment and cleaning up

Dry product:

Use clean up methods such as vacuum cleaning-up or vacuum extraction fitted with EPA/HEPA air filters which do not cause airborne dispersion. Never use compressed air. Alternatively, wipe-up the dust by mopping, wet brushing or by using water spray or hoses (fine mist to avoid duct becoming airborne) and remove slurry.

If not possible, remove by slurrying with water (see wet product).

If only dry cleaning by brushing can be done, ensure all appropriate personnel wear correct PPE including dust mask and eye protection at all times (see section 8).

Avoid inhalation of dust and place in a container and dispose of as detailed in section 13.

Wet product:

Clean up wet material and place in container or controlled location. Allow material to dry and solidify before disposal as detailed in section 13.

6.4 Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13.

SECTION 7: Handling & Storage

7.1 Precautions for safe handling

7.1.1 Protective measures:

Do not ingest. Avoid contact with skin. Avoid contact with eyes.

Wear protective equipment (refer to section 8 of this safety data sheet). Avoid generating dust.

7.1.2 Advice on general occupational hygiene:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and housekeeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. Do not handle or store near food and beverages or smoking material. In dusty environment, wear dust mask, protective goggles, and gloves.

7.2 Conditions for safe storage, including any incompatibilities

Bulk materials should be stored in silos that are waterproof. Packed products should be stored in unopened bags clear of the ground in cool, dry conditions and protected from excessive draught, excesses in temperatures in order to avoid degradation of quality.

Bags should be stacked in a stable manner.

Do not use aluminium containers due to incompatibility of the materials.

7.3 Specific end use(s)

No additional information for the specific end users.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Workplace exposure limits:

The following Workplace Exposure Limits (WEL's) for airborne dust are given in HSE Guidance Note EH40:

Total Dust	WEL 10mg/m^3	8 Hrs TWA
Respirable dust	WEL 4mg/m^3	8 Hrs TWA
Crystaline Silica (Respirable)	WEL 0.1mg/m^3	8 Hrs TWA

WEL = Workplace Exposure Limit

TWA = Time Weighted Average

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Measures to reduce generation of dust and to avoid dust propagating in the environment such as regular housekeeping, exhaust ventilation and dry clean-up methods which do not cause airborne dispersion.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection		Wear approved glasses or goggles according to EN 166 with anti-mist for eye protection when handling wet or dry materials.
Skin protection		Overalls and/or long-sleeved jackets and full-length trousers should be worn to protect skin from contact with wet products. Outer clothing should be waterproof if contact with wet product is likely. Wear impermeable boots to protect feet. Safety wellington boots should be worn if working with wet product, with waterproof trousers pulled over them to help prevent product entering the boots. If the product saturates clothing, or enters gloves or boots, remove the articles immediately and wash before wearing again
Respiratory protection		When a person is potentially exposed to dust levels above exposure limits, an appropriate respirator must be used dependent on expected dust levels

8.2.3 Thermal Hazards

The substance does not represent a thermal hazard, thus special consideration is not required

8.2.4 Environmental Exposure Control

Not relevant unless large volume of product enters the watercourse.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Wet Product – semi solid state Dry Product – dry powder
Odour:	Slight, earthy odour
Odour threshold:	N/A
pH:	11-13.5, (20°C in water, water solid ratio 1:2)
Melting point:	1250 (typical)
Boiling point:	Not determined
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	Non-flammable
Explosive limits:	Non-explosive
Vapour pressure:	N/A
Vapour density:	0 at 20°C
Relative density:	3.0 (typical)
Solubility in water:	Some components sparingly soluble
Partition coefficient:	N/A
Auto ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Oxidising properties	No oxidizing properties

9.2 Other information

No other information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

When mixed with water, will harden into a stable mass that is not reactive in normal environments.

10.2 Chemical stability

Stable product under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

This product does not cause hazardous reactions.

10.4 Conditions to avoid

Dry Products – avoid humid conditions which may cause lump formation and loss of product quality.

10.5 Incompatible materials

Acids, ammonium salts, aluminium, or other non-noble metals. Uncontrolled use of aluminium powder in wet product should be avoided as hydrogen is produced.

10.6 Hazardous decomposition products

This product does not decompose into any hazardous products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicity Endpoints	**Outcome of the effects assessment**
Acute Toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	**Category 2** When in contact with wet skin may cause thickening, cracking, or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns.
Serious eye damage/irritation	**Category 1** Direct contact may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation. Direct contact by large amounts may cause effects ranging from moderate irritation to chemical burns and blindness.
Respiratory or skin sensitization	**Category 1** Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis. The response may appear in a variety of forms ranging from a mild rash to severe dermatitis. If the product contains a soluble Cr (VI) reducing agent and as long as the period of effectiveness of the agent is not exceeded, a sensitizing effect is not expected. There is no indication of sensitization of the respiratory system
Repeated dose toxicity	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met.

Toxicity for reproduction	Based on available data, the classification criteria are not met.
STOT – single exposure	**Category 3** Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits.
STOT – repeated exposure	There is an indication of Chronic Obstructive Pulmonary Disease. The effects are acute and due to high exposures. No chronic effects or effects at low concentrations have been observed.
Aspiration hazard	Not applicable as these products are not used as an aerosol

Information on likely routes of exposure:
Contact with skin, eyes, ingestion, and dust inhalation.
Symptoms relating to the physical, chemical, and toxicological characteristics:
Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits. When in contact with wet skin may cause thickening, cracking, or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns. Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis
Delayed and immediate effects as well as chronic effects from short and long-term exposure: Delay in treating eye contact can lead to serious and permanent eye damage. Long term exposure to dust above the exposure limits can lead to lung disease.

SECTION 12: Ecological Information

12.1 Toxicity

The product is not hazardous to the environment. The addition of large amounts of the product to water may, however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.

12.2 Persistence and degradability

Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.3 Bio accumulative potential

Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.4 Mobility in soil

Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.5 Results of PBT and vPvB assessment

Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.6 Other adverse effects

No other adverse effects are identified.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product – has exceeded its shelf life (indicated on packaging):
(and when demonstrated that it contains more than 0.002% Cr (VI): shall not be used/ sold other than for use other than for use in controlled closed and totally automated processes or should be recycled or disposed of according to local legislation or treated again with reducing agent.
Product – unused residue or dry spillage:
Pick up dry unused residue or dry spillage as is (refer to Section 6). Mark up containers. Possibly reuse depending upon shelf-life considerations and the requirements to avoid dust exposure. In case of disposal, harden with water and dispose according to section 6.3 above.

Product – slurries:
Allow to harden, avoid entry in sewerage and drainage systems or into bodies of water. Dispose of as hardened product as concrete waste. This is not classed as a dangerous waste. LoW/EWC entries; 16 03 04 - inorganic wastes containing no dangerous substances. 17 01 01 - construction and demolition wastes – concrete.

Packaging:
Completely empty and clean packaging and process in accordance with local legislation. LoW/EWC entry: 15 01 01 - waste paper and cardboard packaging 15 01 02 - plastic packaging If packaging is contaminated; 20 03 01 – mixed municipal waste

SECTION 14: Transportation Information

14.1 UN number

Not relevant

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

Not relevant

14.4 Packing group

Not relevant

14.5 Environmental hazards

Not relevant

14.6 Special precaution for user

Not relevant

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory Information

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

The product contains Ordinary Portland Cement which is a mixture that is not subject to registration according to REACH. Cement clinker is exempt from registration (Art2.7(b) and Annex V.10 of REACH).
Workplace Exposure Limits – HSE Guidance note EH40. Control of Substances Hazardous to Health latest Regulations. The marketing and use of these products is subject to a restriction on the content of soluble Cr(VI) (REACH Annex XVII point 47 Chromium VI compounds).

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this substance.

SECTION 16: Other Information

16.1 Hazard Statements

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

16.2 Identified uses and use descriptors and categories

The table below gives an overview of all relevant identified uses of cement or cement containing hydraulic binders. All the uses have been grouped in these identified uses because of the specific conditions of exposure for human health and environment. For each specific use, a set of risk management measures or localised controls has been derived (see section 8) which need to be put in place by the user of cement or cement containing hydraulic binders to bring the exposure to an acceptable level.

Proc	Identified Used – Use Description	Manufacture / Formulation of	Professional/ Industrial use of
		Building and construction materials	
2	Use in closed, continuous process with occasional controlled exposure, eg industrial or professional manufacture of hydraulic binders.	X	X
3	Use in closed batch process, eg industrial or professional manufacture of ready-mix concrete.	X	X
5	Mixing or blending in batch process for formulation of mixtures and articles, eg industrial or professional manufacture of pre-cast concrete.	X	X
7	Industrial spraying, eg industrial use of wet suspensions of hydraulic binders by spraying.		X
8a	Transfer of substance or mixture from/to vessels/ large containers at non-dedicated facilities, eg use of cement in bags to prepare mortar.		X
8b	Transfer of substance or mixture from/to vessels/ large containers a dedicated facility, eg filling of silos, trucks or barges at cement plants.	X	X
9	Transfer of substance or mixture into small containers, eg filling of cement bags in cement plants.	X	X
10	Roller application or brushing, eg products to improve adherence between building surfaces and finishing products.		X
11	Non-Industrial spraying, eg professional use of wet suspensions of hydraulic binders by spraying.		X
13	Treatment of articles by dipping and pouring, eg covering of construction products with a layer to improve the performance of the product.		X
14	Production of mixtures or articles by tableting, compression extrusion, palletization, eg production of floor tiling.	X	X
19	Hand-mixing with intimate contact and only PPE available, eg mixture of wet hydraulic binder on a construction site.		X
22	Potentially closed processing operations with minerals/metals at elevated temperature in industrial setting, eg production of bricks.		X
26	Handling of solid inorganic substances at ambient temperature, eg mixture of wet hydraulic binders.	X	X

Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability of completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.