
COLOUR HARDENER

MSDS

1. Substance / preparation and company name

Colour Hardener – All Colours

Company

Imprinted Concrete Systems (Northern) Limited
Unit 4 Kirkham Trading Park
Freckleton Road
Kirkham
Preston
PR4 3RB

Emergency information

Tel: 01772 681505

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2. Composition / information on ingredients

COMPOSITION COMMENTS: Contains cement, non-hazardous fillers, inorganic and organic additives.

Constituents:	CAS	Symbol	Concentration
Ordinary Portland Cement	65997-15-1	Xi	<30%

Risk phrases: R41

Contains soluble hexavalent chromium salts at less than 2ppm.

3. Possible Hazards

Irritant:

Prolonged contact with wet cement/mixture may cause burns. When mixed with water, gauging liquid or body fluids, splashes may cause serious eye damage. This material contains a low level of soluble Chromium VI. A reducing agent has been added which will, when mixed, reduce the level of soluble Chromium (VI) to no more than 0.0002% (2ppm) of the total dry weight of cement providing the product is stored correctly as indicated in section 7, and used within six months.

If used outside of the declared shelf life, there may be a risk of allergic dermatitis.

4. First aid measures

General advice: Remove contaminated clothing.

If inhaled:	Keep patient calm, remove to fresh air, summon medical help if coughing, irritation or other respiratory symptoms persist.
On skin contact:	Wash thoroughly with soap and water.
On contact with eyes:	Remove contact lenses. Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
On ingestion:	Immediately rinse mouth and then drink plenty of water, summon medical help.

5. Fire fighting measures

Suitable extinguishing media: N/A

6. Accidental release measures

Collect spilled powder and place in containers. Avoid generating dust. Do not wash away into water courses or into drains

7. Handling and storage

Handling

When the material is mixed with water, alkali is released. Continued skin contact during a working day can result in "cement burns" with ulceration. Repeated skin contact over a period may cause irritant contact dermatitis.

Storage

Store in a cool, dry area off the ground, Avoid contact with acids and other oxidizers.

8. Exposure controls and personal protection

Personal Protective Equipment.

Eye protection:	Goggles
Hand protection:	Protective gloves
Dusk Mask:	A dust mask conforming to BS 2091 Type B should be worn
General safety and hygiene measures:	Hands and / or face should be washed before breaks and at the end of a working shift. Avoid contact with eyes and prolonged skin contact.

9. Physical and chemical properties

Form:	Coloured, free flowing, gritty powder
Colour:	Various
Odour:	None

Change in Physical state

Solidification temperature:	Not applicable
Boiling point:	Not applicable
Flash Point:	Not applicable
Explosion limits:	
Lower	None
Upper	None

Ignition Temperature:	Not applicable
Vapour Pressure:	Not applicable
Density:	
Bulk density:	
Solubility in water:	Slightly soluble in water
pH value:	11 - 12

10. Stability and reactivity

Stability:

Product reacts (hydrates) at a slow, controlled rate when mixed with water, releasing minimal heat.

Materials to Avoid:

Strong oxidizing agents such as inorganic acids and strong organic acids. Acids will react with cement and carbonates.

Hazardous reactions:

None

11. Toxicological information

The silica sand present in this product contains between 80 - 99.50% crystalline quartz. The sand is produced after washing and therefore contains minimal amounts of respirable quartz. However, the respirable fraction could, if inhaled over a prolonged period, constitute a health hazard. Inhalation of respirable quartz particles can give rise to fibrosis of the lung (commonly referred to as silicosis).

12. Ecological information

The addition of products containing cement to water will cause the pH to rise and may therefore be toxic to aquatic life in some circumstances. All possible efforts should be made to keep the product away from drains, surface and ground water, and soil.

13. Disposal considerations

This product is not a hazardous waste and should be disposed of in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

Labeling according to EEC directives

Xi	-	Irritant
R38	-	Irritating to skin
R41	-	Risk of serious damage to eyes.
S2	-	Keep out of reach of children.
S22	-	Do not breathe dust.
S26	-	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	-	In case of contact with skin, wash immediately with plenty of water.

16. Other information

The information contained herein is based on our current experience and knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Warranty and Limit of Liability.

The Seller warrants that the Goods are produced within the accepted tolerance levels in accordance with the standard specifications stated in the Seller's official literature on the Goods current at the relevant time. Save as aforesaid, all other conditions, guarantees, or warranties whether express or implied by statute, common law or otherwise including (but without prejudice to the generality of the foregoing) conditions, guarantees, or warranties as to quality, fitness for purpose or description of the Goods or their life or wear or use under any conditions whether known or made known to the Seller or not hereby excluded. The Seller's liability for any and all direct loss or damage resulting to the Buyer from defects in the Goods or any other cause shall be limited to the purchase price of the quantity of the Goods in respect of or in relation to which such loss or damage is claimed. Subject as aforesaid the Seller shall be under no liability in contract or in tort for any loss or damage or personal injury arising directly or indirectly out of the supply or use of the Goods or containers other than death or personal injury resulting from the negligence of the Seller within the meaning of Section 1 of the Unfair Contract Terms Act 1977.