

Power Crete Powder

Page 1 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

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

- 1.1 Product Identifier**
Material name: Power Crete - Powder
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use: Powder for use in Rapid Concrete Repair system.
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer / Supplier: IMG Ltd.,
Unit M
Riverside Industrial Estate
Fazeley
Tamworth
B78 3RW

Telephone: 01827 283322

Fax: 01827 250143

Email (for SDS): sales@img-limited.co.uk
- 1.4 Emergency tel. no:** 01827 283322 (Available from 8.30 – 17.00 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical hazards	Not classified
Human Health	Skin Irr.2; H315; Eye Dam.1; H318; Skin Sens.1; H317; STOT SE 3; H335
Environment	Not classified

2.2 Label elements

Label according to EC Directives: 1272/2008/EC:

Signal word: Danger

Pictogram(s):



Contains: Portland cement.

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

Power Crete Powder

Page 2 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

Precautionary Statements:	P264	Wash contaminated skin thoroughly after handling.
	P280	Wear protective gloves/protective clothing/ eye protection/ face protection.
	P402+P404	Store in a dry place. Store in a closed container. Use within 6 months of manufacture.
	P501	Dispose of contents/container to requirements of local authorities.

Other hazards: This material is not classified as PBT or vPvB.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Silica Sand	CAS: 14808-60-7 EC: 238-878-4	Acute Tox.4; H332	30-60%
Portland Cement	CAS: 65997-15-1 EC: 266-043-4	Skin Irr.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 STOT SE 3; H335	10-40%
Calcium Hydroxide	CAS: 1305-62-0 REACH: 01-2119475151-45-0000	Skin Irr.2; H315 Eye Dam.1; H318 STOT SE 3; H335	1-5%

See Section 16 for the full text of the H statements declared above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: In all cases of doubt, or when symptoms persist, seek medical attention.

Eye contact: Immediately flush eyes with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: seek medical attention and bring along these instructions.

Inhalation: Move victim to fresh air and kept at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.

Ingestion: Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (50-100ml for an adult person): Take to hospital along with these instructions.

Protection of first aiders: No action shall be taken involving any personal risk without suitable training.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin with prolonged or repeated contact.

4.3 Indication of any immediate medical attention and special treatment needed: See information above.

Power Crete Powder

Page 3 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: The product is not flammable. Use Alcohol-resistant foam, carbon dioxide, powders, water for surrounding fire.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Irritating or toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters

Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8. Evacuate personnel to safe areas. Mark out contaminated area with signs and prevent access to unauthorised personnel.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge in drains or rivers. If contamination to waterways has occurred, contact local authorities.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Avoid generation and spreading of dust.

6.4 Reference to other sections

See section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed, original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Power Crete Powder

Page 4 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

Chemical name	8hr TWA	15min STEL	Information
Silica Sand	0.1mg/m ³	0.1mg/m ³	
Portland Cement	4mg/m ³ 10mg/m ³	- -	Respirable dust Inhalable dust
Calcium Hydroxide	1mg/m ³ 4mg/m ³	- -	Inhalable dust Respirable dust

DNEL/PNEC: No information available.

8.2 Exposure controls

Engineering measures: 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.

Personal Protective Equipment

- Hand protection:** Protective gloves.
- Eye protection:** Personal protective equipment for eye and face protection should comply with European Standard EN166.
- Skin protection:** Wear appropriate protective clothing to prevent skin contamination.
- Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.
- Hygiene measures:** Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Powder, grey.
Odour:	Odourless.
Odour threshold:	No data available.
Flammability:	Non-flammable.
Flash point:	Not applicable.
Lower explosion limit:	Not applicable.
Upper explosion limit:	Not applicable.
Explosive properties:	Not explosive.
Thermal decomposition:	No data available.
Auto-ignition temperature:	No data available.
Oxidising properties:	No data available.
Solubility in water:	No data available.
Solubility in other solvents:	No data available.
pH:	Approximately 12-13 in aqueous solution.
Melting point / range:	No data available.
Boiling point / range:	No data available.
Relative Density:	>1
Vapour pressure:	No data available.
Vapour density:	No data available.
Partition coefficient: n-octanol / water:	No data available.

Power Crete Powder

Page 5 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

Viscosity (kinematic): Not applicable.
Evaporation rate: No data available.

9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity Generally non-reactive.
10.2 Chemical stability Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid Direct sunlight and heat.
10.5 Incompatible materials None known.
10.6 Hazardous decomposition products None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: No data available.

Symptoms / routes of exposure

Skin corrosion / irritation: Irritating to skin.
Serious eye damage / irritation: May cause eye damage.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Repeated dose toxicity: No data available.
Carcinogenicity: No known carcinogens.
Mutagenicity: Not mutagenic.
Toxicity for reproduction: Not toxic for reproduction.
Specific target organ toxicity (STOT): May cause respiratory irritation.
Further information: Inhalation of dust may cause irritation of airways due to abrasive action of particles. Long term this can cause fibrosis of lungs.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability No data available.
12.3 Bioaccumulative potential No data available.
12.4 Mobility in soil The product is insoluble in water.
12.5 Results of PBT and vPvB assessment This product is not identified as a PBT/vPvB substance.
12.6 Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations. Do not allow to enter drains or watercourses. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Do not dispose of together with household waste.

14. TRANSPORT INFORMATION

Power Crete Powder

Page 6 of 7
Issued: 16/10/2019, Revision No: 2
Regulation (EC) No. 453/2010

14.1 UN number	ADR/RID/AND; IMDG; ICAO	Not regulated.
14.2 UN Proper shipping name	Not applicable	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	Not applicable
	ADR/RID/ADN Class	Not applicable
	ADR Label No.	Not applicable
	IMDG Class	Not applicable
	ICAO Class/Division	Not applicable
	ICAO Subsidiary Risk	Not applicable

Transport labels

ADR/RID/IDMG Not applicable

IATA Not applicable

14.4 Packing group ADR/RID/AND; IMDG; ICAO Not applicable

14.5 Environmental hazards No

14.6 Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable.

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Power Crete Powder

Page 7 of 7

Issued: 16/10/2019, Revision No: 2

Regulation (EC) No. 453/2010

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data / Expert judgement
Health hazards: Calculation method
Environmental hazards: Calculation method

Full text of H-statements referred to under sections 2 and 3

H315 Causes skin irritation
H317 May cause an allergic reaction
H318 Causes serious eye damage
H332 Harmful if inhaled
H335 May cause respiratory irritation

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society) – Section 3.
STOT: Single Target Organ Toxicity – Section 11.
PBT: Persistent, Bioaccumulative, Toxic – Section 12.
TWA: Time W
WEL: Workplace Exposure Limit – Section 8.
VPvB: very Persistent and very Bioaccumulative – Section 12.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]

