

Rockflow

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

1.1 Product Identifier

Material name : Rockflow
 Product code :

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

Product use : Self levelling cement floor repair

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW

Tel. : 01827 283322
 Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 08.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

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

Physical and Chemical Hazards	Not classified
Human health	Sk.Irrit.2; H315; Eye Irrit.2; H319
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Warning

Pictograms:



Hazard statements:	H315	Causes skin irritation.
	H319	Causes serious eye irritation.

Precautionary statements:	P260	Do not breathe dust.
	P280	Wear protective gloves/eye protection/face protection
	P302+352	IF ON SKIN: Wash with plenty of water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Supplemental labelling information

EUH203	Contains chromium (VI). May produce an allergic reaction.
EUH208	Contains Portland Cement. May produce an allergic reaction.

2.3 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
QUARTZ #1	14808-60-7 238-878-4	Not classified but has a WEL	10-30%
QUARTZ #2	14808-60-7 238-878-4	Not classified but has a WEL	10-30%
SLAG	65996-69-2 - 01-2119487456-25-0000	Sk.Irrit.2; H315 Eye Irrit.2; H319	10-30%
HIGH ALUMINA CEMENT	65997-16-2 266-045-5	Not classified but has a WEL	10-30%
VINYL ACETATE COPOLYMER	- 925-954-3	Not classified but has a WEL	1-5%
PORTLAND CEMENT	65997-15-1	Sk.Irrit.2; H315 Sk.Sens.1; H317 Eye Dam.1; H318 STOT SE3; H335	<1%
SURFACTANT	-	Not classified but has a WEL	<1%
DEFOAMER	-	Not classified but has a WEL	<1%
ALUMINIUM SULFATE	10043-01-3 233-135-0	Sk.Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335	<1%

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

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Never give anything by mouth to an unconscious person.

Skin contact: Wash thoroughly with soap and water. Seek medical advice if irritation develops.

Eye contact: Remove any contact lenses and rinse with water for 15 minutes. Seek medical advice if irritation persists.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical advice if discomfort continues.

Inhalation: Remove to fresh air, rinse nose and mouth with water and seek medical advice if discomfort continues.

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

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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Does not decompose.

5.3 Advice for fire-fighters:

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

Further information: Standard procedure for chemical fires. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8.

6.2 Environmental precautions

Spillages or uncontrolled discharges must be reported immediately to the Environment Agency or other appropriate regulatory bodies.

6.3 Methods and materials for containment and cleaning up

Avoid generating excessive dust. Use an industrial vacuum cleaner, or carefully sweep up.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling. Avoid contact with skin and eyes. Avoid handling which leads to dust formation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Keep container tightly closed. Keep in original container.

7.3 Specific end use(s): See Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Chemical name	8hr TWA	15min STEL	Information/Reference
QUARTZ #1	0.3 mg/m ³	-	Supplier
QUARTZ #2	0.1 mg/m ³	-	Silica (respirable crystalline) - EH40
HIGH ALUMINA CEMENT	5 mg/m ³	-	Supplier
VINYL ACETATE COPOLYMER	4 mg/m ³	-	Supplier
PORTLAND CEMENT	10 mg/m ³ 4 mg/m ³	-	Inhalable dust - EH40 Respirable dust - EH40
SURFACTANT	2 ppm/ 2.5 mg/m ³	-	Total dust - Supplier
DEFOAMER	10 mg/m ³	-	Supplier
ALUMINIUM SULFATE	2 mg/m ³	-	Supplier

8.2 Exposure controls

Engineering measures: Provide adequate ventilation. Avoid inhalation of dust. Observe exposure limits.

Personal protective equipment

Respiratory protection: If excessive dust is generated, use a respirator fitted with a particulate type P2 filter.

Hand protection: Use of rubber gloves may be advisable if using the product for prolonged periods.

Eye protection: Not required unless excessive dust is generated, in which case use chemical goggles.

Skin and body protection: General workwear.

Hygiene measures: Observe good industrial hygiene and safety practices. Do not eat or drink whilst using the product.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Dusty off-white powder.
Odour	No characteristic odour.
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	Not applicable
Oxidising properties	Non-oxidising
Solubility in water	Insoluble.
Solubility in other solvents	Not determined
pH	Alkaline when wet
Melting point/range	No data available
Boiling point/range	No data available
Relative density	1.6-2.0
Vapour pressure	No data available

9.1 Information on basic physical and chemical properties (continued)

Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information	No data available
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10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	Avoid excessive heat for prolonged periods of time.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Does not decompose when used as directed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation:	Dust may be irritating to skin in prolonged use.
Serious eye damage/eye irritation:	May cause irritation to eyes.
Respiratory or skin sensitisation:	Not classed as a respiratory or skin sensitiser, but contains ingredients which may cause an allergic reaction (Chromium VI and Portland Cement).
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic
Mutagenicity:	Not mutagenic
Toxicity for reproduction:	Not toxic for reproduction.
Specific target organ toxicity (STOT):	No data available.
Further information:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	Not regarded as dangerous for the environment.
12.2 Persistence and degradability	Contains inorganic materials which are not biodegradable.
12.3 Bioaccumulative potential	Not expected to bioaccumulate.
12.4 Mobility in soil	Insoluble in water.
12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Other adverse effects	None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
Do not dispose of together with household waste. Contact licensed waste disposal company.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport purposes. UN number not required.

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 (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

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

Tariff number: 25302900.

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.
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 skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation.
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).
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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