

# Lava Flow

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Issued: 17/04/2018; Revision No.1  
Regulation (EU) 453/2010

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

### 1.1 Product Identifier

Material name : Lava Flow  
Product code :

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

Product use : Roofing leak repair compound

### 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	Not classified
Environment	Not classified

### 2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: None required.

Pictograms: None required.

Hazard statements: None required.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.

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

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures:

#### Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
BENTONITE	1302-78-9 215-108-5	Not classified	100%

#### Composition information:

The product contains a bentonite-smectite clay mixture of variable composition (UVCB), not classified as hazardous. Bentonite with less than 10% w/w crystalline silica does not meet the criteria for classification as hazardous according to EC Regulation 1272/2008 and Directive 67/548/EC as amended.

## 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. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 15 minutes and seek medical advice if irritation persists.

**Ingestion:** Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

**Inhalation:** High levels of dust may cause respiratory tract irritation, if affected remove to fresh air and seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin. May cause eye irritation.

**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: Product is non-flammable; use appropriate extinguishing media for the surrounding area.  
Unsuitable extinguishing media: Water jet.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: None known.

### 5.3 Advice for fire-fighters:

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

Further information: Standard fire-fighting procedures. Do not allow fire run-off to enter drains.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

### 6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

### 6.3 Methods and materials for containment and cleaning up

Carefully sweep up spillage, avoid causing high dust levels, and place in a labelled container for disposal in accordance with local/national regulations.

**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 contact with skin and eyes. Handle with care. Avoid generating dust.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area between 5°C and 25°C. Keep container tightly closed.

**7.3 Specific end use(s):** No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

Chemical name	8hr TWA	Comment	Reference
Inert or nuisance dusts	10 mg/m <sup>3</sup>	Inhalable dust	Advisory - EH40/2005
	4 mg/m <sup>3</sup>	Respirable dust	

### 8.2 Exposure controls

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

#### Personal protective equipment

**Respiratory protection:** Not required unless excessive dust is generated, in which case 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State and colour	Light grey powder/granules.
Odour	Odourless
Odour Threshold	Not determined
Flammability	Not flammable
Flash point	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Explosive properties	Not explosive
Thermal decomposition	>500°C
Auto-ignition temperature	Not applicable
Oxidising properties	Non-oxidising
Solubility in water	<0.9 mg/l
Solubility in other solvents	Not determined
pH	8.5-11.0
Melting point/range	No data available
Boiling point/range	No data available
Density	2.6 g/cm <sup>3</sup>
Vapour pressure	No data available
Vapour density	Not determined
Partition coefficient: n-octanol/water	Not determined
Viscosity	No data available
Evaporation rate	No data available

9.2 Other information	Solvent content: Nil
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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	Moisture.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	None known.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Bentonite	>2000 mg/kg (Rat)	>5.27 mg/l 4h (Rat)	No data available

<b>Skin corrosion/irritation:</b>	Contact with wet product may cause irritation.
<b>Serious eye damage/eye irritation:</b>	Dust may cause mild eye irritation.
<b>Respiratory or skin sensitisation:</b>	Not expected to cause sensitisation.
<b>Repeated dose toxicity:</b>	No data available.
<b>Carcinogenicity:</b>	Not carcinogenic. The product contains <0.1% respirable crystalline silica.
<b>Mutagenicity:</b>	Not mutagenic.
<b>Toxicity for reproduction:</b>	Not expected to impair fertility.
<b>Specific target organ toxicity (STOT):</b>	No data available.
<b>Further information</b>	Inhalation of dust can cause respiratory irritation.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Chemical name	Species	Test	Value
Bentonite	Daphnia	EC50 48h	>100 mg/l
	Fish	LC50 96h	16000 mg/l
	Algae	EC50 72h	>100 mg/l

<b>12.2 Persistence and degradability</b>	Bentonite is inorganic in nature and is not biodegradable.
<b>12.3 Bioaccumulative potential</b>	Will not bioaccumulate.
<b>12.4 Mobility in soil</b>	Practically insoluble in water and therefore has low mobility in most soils.
<b>12.5 Results of PBT and vPvB assessment</b>	No PBT or vPvB substances identified.
<b>12.6 Other adverse effects</b>	No known adverse environmental impacts.

## 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.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not burn or use a cutting torch on the empty container.

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## 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.

Directive 2010/75/EU (VOC): 0g/l

#### 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

A Chemical Safety Assessment has not been performed on this product. Bentonite is exempted from REACH Registration in accordance with Annex V.7. A hazard assessment has been carried out under the umbrella of the European Bentonite Association, the outcome being that Bentonite is not classed as a hazardous substance.

## 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: 25081000.

#### 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).

UVCB: Unknown or Variable composition, Complex reaction products or Biological materials. (Section 3)



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**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.

