

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

BOSTIK SL C780 FLEX Supercedes date 09-Feb-2023 Revision date 27-Mar-2025 Revision Number 2.01

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name BOSTIK SL C780 FLEX

Pure substance/mixture Mixture

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

**Recommended use** Building and construction work: Fillers, putties, plasters, modelling clay

Uses advised against None known

# 1.3. Details of the supplier of the safety data sheet

#### **Company Name**

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Serious eye damage Category 1 - (H318)

## 2.2. Label elements

Contains Cement, portland, chemicals (Chromium VI reduced)



Signal word Danger

# Hazard statements

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H318 - Causes serious eye damage.

#### Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P280 - Wear eye and face protection

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P501 - Dispose of contents/ container to an approved waste disposal plant

# 2.3. Other hazards

Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Repeated exposure may cause skin dryness or cracking. Material becomes extremely slippery when wet. Causes mild skin irritation.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

# SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Chemical name	Weight- %	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	concentration	M-Factor	M-Factor (long-ter m)	Notes
Quartz 14808-60-7	40 - <80	[5]	238-878-4	[B]	1	-	-	1
Cement, portland, chemicals (Chromium VI reduced) 65997-15-1	5 - <10	[5]	266-043-4	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335)		-	-	-
Quartz (fine fraction) 14808-60-7	0.1 - <0.3	[5]	238-878-4	STOT RE 1 (H372)	-	-	-	-

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[B] - Substance with a Community workplace exposure limit

Full text of H- and EUH-phrases: see section 16

**Acute Toxicity Estimate** 

No information available

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Chemical name	EC No (EU Index No)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	LC50 - 4 hour -	Inhalation LC50 - 4 hour - vapour - mg/L	
Quartz	238-878-4	14808-60-7	-	-	-	-	-
Cement, portland, chemicals (Chromium VI reduced)	266-043-4	65997-15-1	-	-	-	-	-
Quartz (fine fraction)	238-878-4	14808-60-7	-	-	-	-	-

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand. Take a copy of the

Safety Data Sheet when going for medical treatment.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Do not rub affected area. Immediately flush with plenty of water. After initial flushing,

remove any contact lenses and continue flushing for at least 15 minutes. Consult an

ophthalmologist.

Skin contact Brush off loose particles from skin. Remove material from skin immediately. Take off

contaminated clothing and wash it before reuse.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce

vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section

8).

#### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** Burning sensation. Prolonged contact may cause redness and irritation. Dust irritates

eyes and air passages. Causes serious eye damage. Irritating to skin. Inhalation of dust in high concentration may cause irritation of respiratory system. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when

wearing trousers.

Effects of Exposure No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors No information available.

#### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the

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surrounding environment.

Full water jet. Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

No information available.

**Hazardous combustion products** Carbon oxides. Sulphur oxides.

5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

# SECTION 6: Accidental release measures

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

Personal precautions Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal

protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

Use personal protection recommended in Section 8. For emergency responders

6.2. Environmental precautions

Prevent product from entering drains. Do not allow to enter into soil/subsoil. **Environmental precautions** 

6.3. Methods and material for containment and cleaning up

**Methods for containment** Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry.

Prevent dust cloud.

Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect Methods for cleaning up

dust. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep

up spilled material and place in suitable container. Avoid generating dust.

Clean contaminated objects and areas thoroughly observing environmental regulations. Prevention of secondary hazards

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information. Reference to other sections

# SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Avoid generation of dust. Use personal protection

equipment. Take off contaminated clothing and wash it before reuse.

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. General hygiene considerations

Do not eat, drink or smoke when using this product.

# 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Keep out of the reach of children. Keep the packing dry and well sealed to prevent

contamination and absorption of humidity. Protect from moisture.

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## 7.3. Specific end use(s)

Specific use(s)

Building and construction work. Fillers, putties, plasters, modelling clay.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### **Exposure Limits**

Chemical name	European Union	United Kingdom
Quartz	TWA: 0.1 mg/m <sup>3</sup> ;	TWA: 0.1 mg/m <sup>3</sup> ; respirable fraction
14808-60-7		STEL: 0.3 mg/m <sup>3</sup> ; respirable
Limestone	-	TWA: 10 mg/m³; inhalable dust
1317-65-3		TWA: 4 mg/m <sup>3</sup> ; respirable dust
		STEL: 30 mg/m³; inhalable dust
		STEL: 12 mg/m <sup>3</sup> ; respirable dust
Cement, portland, chemicals (Chromium VI reduced)	-	TWA: 10 mg/m³; inhalable dust
65997-15-1		TWA: 4 mg/m³; respirable dust
		STEL: 30 mg/m³; inhalable dust
		STEL: 12 mg/m <sup>3</sup> ; respirable dust
Dust	-	TWA: 10 mg/m³; inhalable dust
RR-12364-8		TWA: 4 mg/m³; respirable dust
		STEL: 30 mg/m³; inhalable dust
		STEL: 12 mg/m <sup>3</sup> ; respirable dust
Quartz (fine fraction)	TWA: 0.1 mg/m <sup>3</sup> ;	TWA: 0.1 mg/m <sup>3</sup> ; respirable fraction
14808-60-7		STEL: 0.3 mg/m <sup>3</sup> ; respirable

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration** (PNEC)

8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Hand protection

Tight sealing safety goggles. Goggles. Face protection shield. Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

Wear suitable gloves. Recommended Use: Nitrile rubber. Glove thickness > 0.7mm.

Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min. Unsuitable gloves materials: Leather, Disposable gloves. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Gloves made of plastic or rubber.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Gloves must conform to standard EN 374

Wear suitable protective clothing. Avoid contact with skin, eyes or clothing. Wear Skin and body protection

appropriate personal protective clothing to prevent skin contact.

Respiratory protection Avoid generation of dust. In case of inadequate ventilation wear respiratory protection. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Possible nuisance dust.

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**Recommended filter type:** Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical stateSolidAppearancePowderColourGreyOdourCharacteristic.

Property Values Remarks • Method

Melting point / freezing point Not applicable

Initial boiling point and boiling No data available Not applicable

range

Flammability No data available None known Flammability Limit in Air Not applicable

**Upper flammability or explosive** No data available

limits

Lower flammability or explosive No data available

limits

Flash point No data available Not applicable
Autoignition temperature . °C Not applicable
Decomposition temperature None known
PH No data available Not applicable.

pH No data available Not applicable.
pH (as aqueous solution) > 11 solution (50 %)

Kinematic viscosity

Dynamic viscosity

Not applicable

Not applicable

Water solubility Cement based products react and

solidify in contact with water

Solubility(ies)

Partition coefficient

Vapour pressure

Relative density
Bulk density
Density

Relative vapour density

No data available
No data available
1.4 - 1.5 g/cm³
No data available
No data available

Particle characteristics

Particle Size No information available Particle Size Distribution No information available

9.2. Other information

Solid content (%) 100 Softening point Not relevant

VOC content No data available

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics
No information available Not applicable .

**SECTION 10: Stability and reactivity** 

# 10.1. Reactivity

**Reactivity** Product cures with moisture.

10.2. Chemical stability

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**Stability** Keep away from Incompatible materials. Stable under recommended storage conditions.

**Explosion data** 

Sensitivity to mechanical

impact

None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. Protect from moisture.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents. Acids. Aluminium.

10.6. Hazardous decomposition products

**Hazardous decomposition** 

products

None under normal use conditions.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Information on likely routes of exposure

## **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

damage. May cause irreversible damage to eyes.

Skin contact Based on available data, the classification criteria are not met. Specific test data for the

substance or mixture is not available. Causes mild skin irritation.

**Ingestion** Based on available data, the classification criteria are not met. Specific test data for the

substance or mixture is not available. Ingestion may cause gastrointestinal irritation,

nausea, vomiting and diarrhoea.

# Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. Burning. May cause blindness. Prolonged contact may cause redness and

irritation.

Acute toxicity

#### **Numerical measures of toxicity**

#### The following ATE values have been calculated for the mixture

ATEmix (oral) >2000 mg/kg
ATEmix (dermal) >2000 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) >5 mg/l
ATEmix (inhalation-vapour) >20 mg/l

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#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Quartz	>2000 mg/kg (Rattus)	1	-	
Cement, portland, chemicals (Chromium VI reduced)	-	>2000 Kg/mg (Lapin)	>5 g/m³ (Rattus)	
Quartz (fine fraction)	>2000 mg/kg (Rattus)	-	-	

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**Based on available data, the classification criteria are not met. May cause skin irritation.

Classification based on data available for ingredients. Causes mild skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye

damage.

Respiratory or skin sensitisation 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.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

# **SECTION 12: Ecological information**

12.1. Toxicity

**Ecotoxicity** 

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12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

12.6. Endocrine disrupting properties

**Endocrine disrupting properties** Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

**PMT or vPvM properties**Based on available data, the classification criteria are not met.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of contents/container in accordance with local, regional, national, and

international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09

01, 17 09 02 and 17 09 03

10 13 06 particulates and dust (except 10 13 12 and 10 13 13)

Cured product can be treated as construction waste. In the management of larger quantities consult with local authorities and local waste disposal company

10 13 14 waste concrete and concrete sludge

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

# SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
Not regulated
Not regulated
Not regulated
Not regulated
Not applicable

14.6 Special precautions for user

Special Provisions None

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#### **IMDG**

14.1 UN number or ID number
 14.2 UN proper shipping name
 14.3 Transport hazard class(es)
 14.4 Packing group
 Not regulated
 Not regulated
 Not regulated
 Not regulated

14.5 Marine pollutant NP
14.6 Special precautions for user Special Provisions None

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

#### Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number
 14.2 UN proper shipping name
 14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazards
 Not regulated Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

# SECTION 15: Regulatory information

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

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

# Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

## **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH Annex XVII
Cement, portland, chemicals (Chromium VI reduced)	65997-15-1	47

47 where product supplied with reducing agent the packaging must be marked with the storage conditions and storage period appropriate to maintaining the activity of the reducing agent to keep the content of soluble chromium VI below 2mg/Kg.

# Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### **Export Notification requirements**

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

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# Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

#### **Persistent Organic Pollutants**

Not applicable

# REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the

marketing and use of explosives precursors

Not applicable

#### National regulations

#### 15.2. Chemical safety assessment

Not applicable

### **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

# Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H315 - Causes skin irritation

H318 - Causes serious eye damage H335 - May cause respiratory irritation

H372 - Causes damage to organs through prolonged or repeated exposure

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value Sk\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 27-Mar-2025

Indication of changes

**Revision Note** SDS sections updated, 1, 11.

**Training Advice** When working with hazardous materials, regular training of operators is required by law

Further information No information available

### This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

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#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet** 

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