

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
This SDS is for generic information purposes and does not reflect required country specific information for OEL

BOSTIK RENO C610 BUILD 10 Supercedes Date: 11-Mar-2022 Revision date 21-Sep-2022 Revision Number 1.01

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

1.1. Product identifier

Product Name BOSTIK RENO C610 BUILD 10

Pure substance/mixture Mixture

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

Recommended use Cement Building and construction work

Uses advised against None known.

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

**Company Name** 

Bostik AB Strandbadsvaegen 22 PO Box 903 25109 Helsingborg, Sweden Tel: +46 42 19 50 00

Fax: +46 42 19 50 20

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

#### 1.4. Emergency telephone number

**Emergency Telephone** 112

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation Category 1 - (H318)

### 2.2. Label elements

Contains Cement, portland, chemicals (Chromium VI reduced)



Signal word Danger

**Hazard statements** 

H318 - Causes serious eye damage

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#### 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

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P103 - Read label before use

P280 - Wear eye protection/ face protection

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

#### **Additional information**

Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).

#### 2.3. Other hazards

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. Causes mild skin irritation. Product dust may be irritating to eyes, skin and respiratory system. Repeated exposure may cause skin dryness or cracking.

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

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

NOTE [4] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex IV of REACH NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

#### **Acute Toxicity Estimate**

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

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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	Inhalation LC50 - 4 hour - gas - ppm
Quartz	238-878-4	14808-60-7	1	-	-	-	-
Cement, portland, chemicals (Chromium VI reduced)	266-043-4	65997-15-1	-	-	-	-	-

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.

**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 This powder (wet or dry) may cause irritation or potentially irreversible serious damage

upon contact with the eyes. Inhalation of dust in high concentration may cause irritation of respiratory system. Irritating to skin. 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.

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

Note to doctors Treat symptomatically.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

**Unsuitable extinguishing media** Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

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Specific hazards arising from the

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chemical

No information available.

Hazardous combustion products Carbon oxides. Carbon dioxide (CO2). Sulphur oxides. Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

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

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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.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

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

#### 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.

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

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

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

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

6.4. Reference to other sections

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

# SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Avoid generation of dust. Avoid contact with skin, eyes or

clothing. Use personal protection equipment. Take off contaminated clothing and wash it

before reuse.

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

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.

# 7.3. Specific end use(s)

### Specific use(s)

Building and construction work. Cement.

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

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Other information Observe technical data sheet.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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#### **Exposure Limits**

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union	
Quartz	TWA: 0.1 mg/m <sup>3</sup>	
14808-60-7		

Derived No Effect Level (DNEL) No information available

**Predicted No Effect Concentration** No information available. **(PNEC)** 

8.2. Exposure controls

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

Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Hand protection 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. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on

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breakthrough time for specific gloves.

**Skin and body protection** Avoid contact with skin, eyes or clothing. Wear appropriate personal protective clothing

to prevent skin contact.

**Respiratory protection**None under normal use conditions. Avoid generation of dust. Possible nuisance dust. In

case of insufficient ventilation, wear suitable respiratory equipment.

**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 stateSolidAppearancePowderColourGrey

Odour Characteristic.

Odour threshold No information available

Property Values Remarks • Method

Melting point / freezing point Not applicable .
Initial boiling point and boiling Not applicable .

range

Flammability No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Flash point Not applicable .

Autoignition temperature No data available None known

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Decomposition temperatureNo data availableNone knownpHNo data availableNone known.

pH (as aqueous solution)

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Kinematic viscosity

Not applicable

Dynamic viscosity

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Water solubility Miscible in water. Cement based

products react and solidify in contact

with water

Solubility(ies)No data availableNone knownPartition coefficientNo data availableNone knownVapour pressureNo data availableNone knownRelative densityNo data availableNone known

Bulk Density

No data available
Density

1.6 g/cm³

Relative vapour density

No data available

None known

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

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

**Explosion data** 

Sensitivity to mechanical None.

impact

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** Exposure to water. Product cures with moisture.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

**Hazardous decomposition**None under normal use conditions. Stable under recommended storage conditions.

products

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# **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

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#### **Product Information**

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

Eye contact Causes serious eye damage. May cause irreversible damage to eyes.

**Skin contact** May cause irritation.

**Ingestion** 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 values are calculated based on chapter 3.1 of the GHS document ATEmix (inhalation-dust/mist) 46.60 mg/l

#### **Component Information**

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

Serious eye damage/eye irritation Risk of serious damage to eyes.

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.

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**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

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11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

# **SECTION 12: Ecological information**

12.1. Toxicity

**Ecotoxicity** 

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

**Component Information** 

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

12.7. Other adverse effects

No information available.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Waste from residues/unused products

Dispose of waste in accordance with environmental legislation. Dispose of in accordance

with local regulations.

**Contaminated packaging** Do not reuse empty containers.

**European Waste Catalogue** 16 03 03\* inorganic wastes containing hazardous substances

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15 01 10\*: Packaging containing residues of or contaminated by dangerous substances

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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)

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14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable14.6 Special ProvisionsNone

#### **IMDG**

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated

14.5 Marine pollutant NP
14.6 Special Provisions None

**14.7 Maritime transport in bulk** Not applicable

according to IMO instruments

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

14.1 UN number or ID numberNot regulated14.2 Proper Shipping NameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable

14.6 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, Authorization, 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.
Cellulose	9004-34-6	

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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)

# Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### **Persistent Organic Pollutants**

Not applicable

#### **National regulations**

#### **France**

#### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Quartz	RG 25
14808-60-7	
Cement, portland, chemicals (Chromium VI reduced)	RG 8,RG 10
65997-15-1	RG 8

#### Germany

#### Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) slightly hazardous to water (WGK 1)

#### **Netherlands**

# List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens		
Quartz	Present (respirable dust, crystalline)		
14808-60-7			

#### <u>Sweden</u>

Occupational exposure limits AFS 2018:1

Swedish Work Environment Authority's Statute (AFS 2015:2) QUARTZ AFS 2015:2

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. AFS 2012:3

# **Denmark**

Registration number(s) (P-no.) 4317516 MAL-Code 00-4

AT-Guide C.0.1 August 2007: Limit values for substances and materials

#### Norway

Registration number(s) (PRN-no.) 308214

### 15.2. Chemical safety assessment

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Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

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

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

#### Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

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

SVHC: Substances of Very High Concern for Authorisation: 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

LOW: List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

#### Legend SECTION 8: Exposure controls/personal protection

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

AGW Occupational exposure limit value BGW Biological limit value Ceiling Maximum limit value \* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

#### Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

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Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

Prepared By Product Safety & Regulatory Affairs

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Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **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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