

BOSTIK TECHNIS C910 MIX
Supersedes Date: 07-Aug-2019Revision date 07-Aug-2019
Revision Number 1**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier****Product Name** BOSTIK TECHNIS C910 MIX
Pure substance/mixture Mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Building and construction work. Cement. Fillers, putties, plasters, modelling clay.
Uses advised against None known.**1.3. Details of the supplier of the safety data sheet****Company Name**Bostik GmbH
An der Bundesstrasse 16
33829 Borgholzhausen, Germany
Tel: +49 (0) 5425 / 801 0
Fax: +49 (0) 5425 / 801 140**E-mail address** SDS.box-EU@bostik.com**1.4. Emergency telephone number****Emergency Telephone****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

2.2. Label Elements

Contains: Cement, portland, chemicals (Chromium VI reduced), Flue dust, Cement Portland

**Signal word**
DANGER**Hazard statements**H315 - Causes skin irritation
H318 - Causes serious eye damage

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H335 - May cause respiratory irritation

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P261 - Avoid breathing dust
P280 - Wear protective gloves and eye/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P332 + P313 - If skin irritation occurs: Get medical advice/attention
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
P501 - Dispose of contents/ container to an approved waste disposal plant

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

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

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Mixture

Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Cement, portland, chemicals (Chromium VI reduced)	266-043-4	65997-15-1	40 - <80	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		No data available
Flue dust, Cement Portland	270-659-9	68475-76-3	1 - <5	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		01-2119486767-17-XXXX

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

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This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (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	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	Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Do NOT induce vomiting. Clean mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a doctor or poison control centre immediately.
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	Causes serious eye damage. Inhalation of dust in high concentration may cause irritation of respiratory system. Irritating to skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Product itself does not burn.
Hazardous combustion products	None.

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions Avoid generation of dust. Do not breathe dust. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.

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 Take up mechanically, placing in appropriate containers for disposal.

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. Do not breathe dust. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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 the packing dry and well sealed to prevent contamination and absorption of humidity. After absorption of moisture or exceeding the shelf life the reducing agent for chromate will lose its efficiency and sensitisation by skin contact may occur.

7.3. Specific end use(s)

Specific Use(s)
Building and construction work. Cement. 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

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 14808-60-7	TWA: 0.1 mg/m ³

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Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

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). Eye protection must conform to standard EN 166.
Hand protection	Wear protective nitrile rubber gloves. Glove thickness > 0.7mm. Gloves must conform to standard EN 374. 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. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Unsuitable gloves materials: Leather.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Avoid generation of dust. In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter device (DIN EN 143).
Recommended filter type:	High efficiency particulate air filter.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Colour	Grey
Odour	Characteristic Slight
Odour threshold	No information available

Property	Values	Remarks • Method
pH	> 11	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	No data available	Not applicable
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	No data available	
Water solubility	Cement based products react and solidify in contact with water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	

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Explosive properties No data available
Oxidising properties No data available

9.2. Other information

Solid content (%) 100
Softening Point No information available
Molecular weight No information available
VOC Content (%) No information available
Density No information available
Bulk density 1.4 - 1.5 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Product cures with moisture.

10.2. Chemical stability

Stability Stable under normal 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.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye contact Causes serious eye damage.

Skin contact Causes skin irritation.

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

Symptoms related to the physical, chemical and toxicological characteristics

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Symptoms Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

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

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	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	May cause respiratory irritation.
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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity .

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

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PBT and vPvB assessment . The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Flue dust, Cement Portland 68475-76-3	PBT assessment does not apply

12.6. Other adverse effects

Other adverse effects No information available.

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 Do not reuse empty containers. 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

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 Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Provisions None

IMDG

14.1 UN number Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Marine Pollutant Np
14.6 Special Provisions None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Provisions None

Section 15: REGULATORY INFORMATION

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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 $\geq 0.1\%$ (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	item 47

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
Cement, portland, chemicals (Chromium VI reduced) 65997-15-1	RG 8, RG 10

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) WGK 1

TRGS - 510 Storage Class Storage Class 13 : Non-combustible solids

Netherlands

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

15.2. Chemical safety assessment

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

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals		
STOT RE	Specific target organ toxicity - Repeated exposure		
STOT SE	Specific target organ toxicity - Single exposure		
EWC:	European Waste Catalogue		

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 07-Aug-2019

Indication of changes

Revision note SDS sections updated, 4, 5, 6, 7, 8.

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