

CEMENTONE RAPID SETTING CEMENT
Supersedes Date: 14-Jun-2018

Revision Date 14-Jun-2018
Revision Number 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name CEMENTONE RAPID SETTING CEMENT
Pure substance/mixture Mixture

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

Recommended use Building and construction work.
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 | +44 (1785) 272650 |
| Ireland | +353 (1) 8624900 (Monday- Friday 9am-5pm) |

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|---------------------|
| Skin Corrosion/Irritation | Category 2 - (H315) |
| Serious eye damage/eye irritation | Category 1 - (H318) |
| Skin sensitisation | Category 1 - (H317) |
| Specific target organ toxicity (single exposure) | Category 3 - (H335) |

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Cement, portland, chemicals



Signal Word
DANGER

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Hazard statements

H335 - May cause respiratory irritation
H318 - Causes serious eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

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
P260 - Do not breathe dust
P280 - Wear protective gloves/protective clothing/eye protection/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
P362 + P364 - Take off contaminated clothing and wash it before reuse
P402 + P404 - Store in a dry place. Store in a closed container
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

General 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

3.2 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 | 266-043-4 | 65997-15-1 | 40 - <80 | STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) | | No data available |

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.

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

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| | |
|---|---|
| Inhalation | Remove to fresh air. If symptoms persist, call a doctor. |
| Skin Contact | Brush off loose particles from skin. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a doctor. Wash contaminated clothing before reuse. |
| Eye contact | Call a doctor immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion | Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label. Rinse mouth. Never give anything by mouth to an unconscious person. |
| Self-Protection of the First Aider | Use personal protective equipment as required. |

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

Symptoms Corrosive to the eyes and may cause severe damage including blindness. May cause allergic skin reaction. Product dust may be irritating to eyes, skin and respiratory system.

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 agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media

None known

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous Combustion Products Carbon oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid creating dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing and eye/face protection.

For emergency responders

Sweep up to prevent slipping hazard.

6.2. Environmental precautions

Collect spillage.

6.3. Methods and material for containment and cleaning up

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Methods for Containment Prevent dust cloud. Take up mechanically, placing in appropriate containers for disposal.

Methods for cleaning up Avoid creating dust. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid generation of dust. Avoid contact with skin and eyes. Wash contaminated clothing before reuse.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep out of the reach of children. Protect from direct contact with water or excessive moisture. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.3. Specific end use(s)

Other Information

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Chemical Name | European Union | Ireland | United Kingdom |
|---|----------------|---|---|
| Cement, portland, chemicals 65997-15-1 | - | TWA: 1 mg/m ³ STEL: 3 mg/m ³ | STEL: 30 mg/m ³ inhalable dust STEL: 12 mg/m ³ respirable dust TWA: 10 mg/m ³ inhalable dust TWA: 4 mg/m ³ respirable dust |
| Quartz 14808-60-7 | - | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ respirable |

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).

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.

Skin and Body Protection

Avoid contact with skin, eyes or clothing. Wear appropriate personal protective clothing to prevent skin contact.

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. Avoid generation of dust.

Recommended filter type:

Particle filter device (DIN EN 143).

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Environmental Exposure Controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Physical State | Solid |
| Appearance | Powder |
| Colour | Grey |
| Odour | No information available |
| Odour Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|--------------------------|-------------------------|
| pH | 11 - 13 | |
| Melting point / freezing point | No information available | |
| Boiling point / boiling range | No information available | |
| Flash Point | No information available | |
| Evaporation Rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit | No information available | |
| Vapour Pressure | No information available | |
| Vapour Density | No information available | |
| Relative Density | 1.5 | |
| Water Solubility | No information available | |
| Solubility in Other Solvents | No information available | |
| Partition Coefficient | No information available | |
| Autoignition Temperature | No information available | |
| Decomposition Temperature | No information available | |
| Explosive Properties | No information available | |
| Explosive Limits | No information available | |
| Upper | No information available | |
| Lower | No information available | |
| Oxidising Properties | No information available | |
| Kinematic Viscosity | No information available | |
| Dynamic Viscosity | No information available | |

9.2. Other information

| | |
|---------------------|--------------------------|
| Softening Point | No information available |
| Molecular Weight | No information available |
| Solvent content (%) | No information available |
| Solid content (%) | 100 |
| Density | No data available |
| Bulk Density | No data available |
| VOC content (%) | |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

| | |
|----------------------------------|-------|
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |

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10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

| | |
|----------------------|--|
| Inhalation | No data available. |
| Eye contact | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin Contact | Irritating to skin. |
| Ingestion | No data available. |
| Sensitisation | May cause sensitisation by skin contact. |

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

| | |
|--|---------------------------|
| Skin Corrosion/Irritation | Not applicable. |
| Serious eye damage/eye irritation | Not applicable. |
| Sensitisation | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | No information available. |
| STOT - Single Exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity

Acute Toxicity

Component Information

Toxicity Data Data obtained on the component(s) include

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| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|------------------------|------------------|-----------------|
| Cement, portland, chemicals 65997-15-1 | LD50 >2000 mg/Kg (Rat) | LD50 >2000 mg/Kg | - |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

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

Section 14: TRANSPORT INFORMATION

ADR

14.1 UN/ID no 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 Hazard Not applicable

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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

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 Hazard Not applicable
14.6 Special Provisions None

ICAO (air)

14.1 UN/ID no Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental Hazard Not applicable
14.6 Special Provisions None

IATA

14.1 UN/ID no 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 Hazard Not 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)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

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 | Restrictions on use |
|-----------------------------|------------|---------------------|
| Cement, portland, chemicals | 65997-15-1 | 47. |

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EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

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

15.2. Chemical safety assessment

None

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

H335 - May cause respiratory irritation

H315 - Causes skin irritation

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls and personal protection

TWA TWA (time-weighted average)

Ceiling Maximum limit value

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

STEL

*

STEL (Short Term Exposure Limit)

Skin designation

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 14-Jun-2018

Indication of changes

Revision Note Not applicable.

Training Advice No information available

Further information No information available

This 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

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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