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

1.1. Product identifier
Product name BAL WALL AND FLOOR ADHESIVE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Cement based adhesive.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier Building Adhesives Ltd
Longton Road,
Trentham,
Stoke on Trent
ST4 8JB
01782 591100
Contact Person sdsreply@building-adhesives.com

1.4. Emergency telephone number
01782 591100 (7am-8pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health Skin Irrit. 2 - H315;Eye Dam. 1 - H318;Skin Sens. 1 - H317;STOT SE 3 - H335
Environment Not classified.
Classification (1999/45/EEC) Xi;R37/38, R41, R43.
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health
When the cement based powder is mixed with water or admixture, a strongly alkaline paste is produced. Cement based products may, until set, cause both irritant and allergic contact dermatitis. Irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials. Allergic contact dermatitis is caused mainly by the sensitivity of the individual’s skin to hexavalent chromium salts. Corrosive. Prolonged contact causes serious eye and tissue damage.

Environment
The product is not expected to be hazardous to the environment.

2.2. Label elements
Contains ORDINARY PORTLAND CEMENT
Label In Accordance With (EC) No. 1272/2008

Signal Word Danger
Hazard Statements
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
Precautionary Statements

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash contaminated skin thoroughly after handling.
P321 Specific treatment (see medical advice on this label).
P302+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305+340 IF ON SKIN: Wash with plenty of soap and water.
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313 If skin irritation occurs: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th><strong>CALCIUM FORMATE</strong></th>
<th>1-5%</th>
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<tbody>
<tr>
<td>CAS-No.: 544-17-2</td>
<td>EC No.: 208-863-7</td>
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<th>Classification (EC 1272/2008)</th>
<th>Classification (67/548/EEC)</th>
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</thead>
<tbody>
<tr>
<td>Eye Dam. 1 - H318</td>
<td>Xi;R41.</td>
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<table>
<thead>
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<th><strong>ORDINARY PORTLAND CEMENT</strong></th>
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<td>CAS-No.: 65997-15-1</td>
<td>EC No.: 266-043-4</td>
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<tbody>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td>Xi;R37/38,R41.</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td>R43.</td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H335</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

This product contains a reducing agent to ensure that the CrVI content of the cement in the product remains below 2ppm during the defined shelf life of the product.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
Consult a physician for specific advice.
Inhalation
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Inhalation
Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion
May cause chemical burns in mouth and throat.

Skin contact
May cause serious chemical burns to the skin.

Eye contact
May cause severe irritation to eyes. May cause blurred vision and serious eye damage.

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

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
The product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
During fire, toxic gases (CO, CO2) are formed.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

Specific hazards
In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures
No specific fire fighting procedure given.

Protective equipment for fire-fighters
Wear full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Avoid contact with skin or inhalation of spillage, dust or vapour. Dampen spillage with water. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Shovel into dry containers. Cover and move the containers. Flush the area with water.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
### BAL WALL AND FLOOR ADHESIVE

Avoid spilling, skin and eye contact. Provide good ventilation. Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<tr>
<td>ORDINARY PORTLAND CEMENT</td>
<td>WEL</td>
<td>4 mg/m³</td>
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<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
WEL = Workplace Exposure Limits

8.2. Exposure controls

**Protective equipment**

- **Process conditions**
  - Provide eyewash station.
- **Engineering measures**
  - Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.
- **Respiratory equipment**
  - If ventilation is insufficient, suitable respiratory protection must be provided. Dust mask/respirator.
- **Hand protection**
  - Use suitable protective gloves if risk of skin contact.
- **Eye protection**
  - Wear splash-proof eye goggles to prevent any possibility of eye contact.
- **Other Protection**
  - Wear appropriate clothing to prevent any possibility of skin contact.
- **Hygiene measures**
  - DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- **Appearance**: Powder, dust
- **Solubility**: Slightly soluble in water.
- **pH-Value, Conc. Solution**: 12-13

9.2. Other information

### SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.
10.3. Possibility of hazardous reactions
Not applicable.

10.4. Conditions to avoid
Avoid contact with acids. Water, moisture.

10.5. Incompatible materials
Materials To Avoid
Strong acids. Aluminium powder

10.6. Hazardous decomposition products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation
May cause irritation to the respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Ingestion
Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact
The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

Eye contact
Risk of serious damage to eyes. May cause chemical eye burns.

Health Warnings
Repeated exposure in excess of the WEL has been linked with rhinitis and coughing. Skin exposure has been linked to allergic chromium dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

12.1. Toxicity
The product is not expected to be hazardous to the environment (LC50 aquatic toxicity rating not determined). The addition of cement based product to water will, however, cause the pH to rise and may, therefore, be toxic to aquatic life in some circumstances.

12.2. Persistence and degradability
Not relevant. After hardening, cement presents no toxicity risks.

Degradability
There are no data on the degradability of this product.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility:
The product is non-volatile. The product is insoluble in water and will sediment in water systems.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
None known.
SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. Product that contains >2ppm CrVI should be disposed of according to local legislation or should be treated with a reducing agent before use. Product that is within shelf life may be hydrated with water and disposed of according to local legislation. The hydrated product is not hazardous.

SECTION 14: TRANSPORT INFORMATION

General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road Transport Notes
Not Classified

Rail Transport Notes
Not classified.

Sea Transport Notes
Not classified.

Air Transport Notes
Not classified.

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

Transport Labels
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Statutory Instruments
Approved Code Of Practice
Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION
Revision Comments
1
Issued By Technical Manager
Date 21.05.15

Risk Phrases In Full
R37/38 Irritating to respiratory system and skin.
R43 May cause sensitisation by skin contact.
R41 Risk of serious damage to eyes.

Hazard Statements In Full
H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Disclaimer
This 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. Such information is, to the best of the company’s knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy himself as to the suitability of such information for his own particular use.