# SAFETY DATA SHEET
# BAL LEVEL MAX

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

### 1.1. Product identifier

| | |
|---|---|
| Product name | BAL LEVEL MAX |

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

| | |
|---|---|
| Identified uses | Cement-based levelling compound. |
| 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<br>Longton Road,<br>Trentham,<br>Stoke on Trent<br>ST4 8JB<br>01782 591100 |
| Contact Person | sdsreply@building-adhesives.com |

### 1.4. Emergency telephone number

01865 407 333 (24hr)

## 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. Irritrant 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 CALCIUM SULFOALUMINATE CEMENT
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+352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| 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. |
| P363 | Wash contaminated clothing 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

CALCIUM SULFOALUMINATE CEMENT — 5-10%

CAS-No.: 12004-14-7 EC No.:

| Classification (EC 1272/2008) | Classification (67/548/EEC) |
|---|---|
| Eye Dam. 1 - H318, H319 | Xi;R36/37,R41. |
| Eye Irrit. 2 - H318, H319 | R43. |
| Skin Sens. 1 - H317 | |
| STOT SE 3 - H335 | |

HYDRATED LIME — 1-5%

CAS-No.: 1305-62-0 EC No.:

| Classification (EC 1272/2008) | Classification (67/548/EEC) |
|---|---|
| Skin Irrit. 2 - H315 | Xi;R37,R38,R41. |
| Eye Dam. 1 - H318 | |
| STOT SE 3 - H335 | |

ORDINARY PORTLAND CEMENT — 10-30%

CAS-No.: 65997-15-1 EC No.: 266-043-4

| Classification (EC 1272/2008) | Classification (67/548/EEC) |
|---|---|
| Skin Irrit. 2 - H315 | Xi;R37/38,R41. |
| Eye Dam. 1 - H318 | R43. |
| Skin Sens. 1 - H317 | |
| STOT SE 3 - H335 | |

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.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately!

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Remove victim immediately from source of exposure. Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

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

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.

### 4.3. 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

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

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|---|---|---|---|---|---|---|
| CALCIUM SULFOALUMINATE CEMENT | WEL | | 4 mg/m3 resp.dust | | | |
| HYDRATED LIME | OEL | | 1 mg/m3 resp.dust | | | |
| ORDINARY PORTLAND CEMENT | WEL | | 4 mg/m3 | | | |

WEL = Workplace Exposure Limit.
OEL = Occupational 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

No information required.

## 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 ($CO_2$).

## 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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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 | |
| 2 | |
| Issued By | Technical Manager |
| Revision Date | 01.02.16 |
| Risk Phrases In Full | |
| R36/37 | Irritating to eyes and respiratory system. |
| R37/38 | Irritating to respiratory system and skin. |
| R37 | Irritating to respiratory system. |
| R38 | Irritating to skin. |
| R43 | May cause sensitisation by skin contact. |
| R41 | Risk of serious damage to eyes. |
| Hazard Statements In Full | |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| 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.