



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

#### 1.1 Product identifier

Product Name BAL RAPID XP PLUS

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

Identified Use(s) Cement based adhesive.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

Company Identification Building Adhesives Limited

Address Longton Road

Trentham
Stoke on Trent

Postal code ST4 8JB

Telephone: +44 (0)1782 591100

Fax Not known.

E-mail sdsreply@building-adhesives.com

Office hours 8:30am-5pm, Mon-Fri (excluding bank holidays)

1.4 Emergency telephone number

Emergency Phone No. 01865 407 333 (24/7 all year)
Contact No information available.

National response centre

Address NHS Direct Emergency Phone No. +44 111

## SECTION 2: HAZARDS IDENTIFICATION

## 2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI Skin Irrit. 2: Causes skin irritation.

2019/720 and UK SI 2020/1567 Skin Sens. 1B: May cause an allergic skin reaction.

Eye Dam. 1 :Causes serious eye damage. STOT SE 3 :May cause respiratory irritation.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI

2020/1567

Product Name BAL RAPID XP PLUS

Hazard Pictogram(s)



GHS05



GHS07

Signal Word(s) Danger

Hazard Statement(s) H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.



H335: May cause respiratory irritation.

Precautionary Statement(s)

P102: Keep out of reach of children.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/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.

P501: Dispose of contents in accordance with local, state or

national legislation.

## 2.3 Other hazards

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.

## 2.4 Additional Information

Contains Ordinary Portland Cement, Calcium Sulphoaluminate Cement. The 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.

The product is not expected to be hazardous to the environment. For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

| HAZARDOUS         | CAS No.    | EC No. /     | %W/W  | Hazard Statement(s) | Hazard       |
|-------------------|------------|--------------|-------|---------------------|--------------|
| INGREDIENT(S)     |            | Registration |       |                     | Pictogram(s) |
|                   |            | number(s)    |       |                     |              |
| Quartz (SiO2)     | 14808-60-7 | 238-878-4    | 50-70 | Not classified      | None         |
|                   |            |              |       |                     |              |
| Ordinary Portland | 65997-15-1 | 266-043-4    | 20-30 | Skin Irrit. 2 H315  | GHS05        |
| Cement            |            |              |       | Skin Sens. 1B H317  | GHS07        |
|                   |            |              |       | Eye Dam. 1 H318     |              |
|                   |            |              |       | STOT SE 3 H335      |              |
|                   |            |              |       |                     |              |
| Calcium           | 65997-15-1 | 266-043-4    | <10   | Skin Irrit. 2 H315  | GHS05        |
| Sulphoaluminate   |            |              |       | Skin Sens. 1B H317  | GHS07        |
| Cement            |            |              |       | Eye Dam. 1 H318     |              |



|                   |           |           |     | STOT SE 3 H335   |                         |
|-------------------|-----------|-----------|-----|--|-------------------------|
| Limestone         | 1317-65-3 | 215-279-6 | <10 | Not classified   | None                    |
| Lithium carbonate | 554-13-2  | 209-062-5 | <1  | Acute Tox. 4 H302<br>Eye Irrit. 2 H319                                       | GHS07                   |
| Sodium carbonate  | 497-19-8  | 207-838-8 | <1  | Eye Irrit. 2 H319  | GHS07                   |
| Tin sulphate      | 7488-55-3 | 231-302-2 | <1  | Skin Irrit. 2 H315<br>Skin Sens. 1 H317<br>Eye Dam. 1 H318<br>STOT RE 2 H373 | GHS05<br>GHS08<br>GHS07 |

For full text of H/P Statements see section 16.

## SECTION 4: FIRST AID MEASURES

# 4.1 Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE/doctor if you feel unwell.

Skin Contact Take off immediately all contaminated clothing and wash it before

reuse. If skin irritation occurs: Get medical advice/attention.

Specific treatment (see Medical Advice on this label).

Eye Contact Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. Immediately

call a POISON CENTRE/doctor.

Ingestion Treat symptomatically.

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

Causes burns. Allergic contact dermatitis.

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

Specific treatment (see Medical Advice on this label). Immediately

call a POISON CENTRE/doctor. Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

## 5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including

self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. Ensure full personal protection (including respiratory protection) during removal of spillages.



#### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## 6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Avoid contact with skin or inhalation of spillage or dust. Dampen spillage with water. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. Label the containers and remove from the area as soon as possible. Flush contaminated area with plenty of water.

#### 6.4 Reference to other sections

See also section 8, 13.

## SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid breathing dust. Wash hands and exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

Store locked up. Keep out of reach of children.

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known.

7.3 Specific end use(s)

See 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

8.1.1 Occupational Exposure

Limits

| Occupational Exposure Limits                         |            |            |                |       |         |      |
|--|------------|------------|----------------|-------|---------|------|
| SUBSTANCE.   | CAS No.    | LTEL (8 hr | LTEL (8 hr TWA | STEL  | STEL    | Note |
|  |            | TWA ppm)   | mg/m³)         | (ppm) | (mg/m³) |      |
| Silica, respirable crystalline (respirable fraction) | 14808-60-7 |            | 0.1            |       |         | (t)  |
| Portland cement inhalable                            | 65997-15-1 |            | 10             |       |         |      |
| dust   |            |            |                |       |         |      |
| Portland cement respirable dust                      | 65997-15-1 |            | 4              |       |         |      |
| Calcium carbonate inhalable dust                     | 1317-65-3  |            | 10             |       |         |      |
| Calcium carbonate respirable dust                    | 1317-65-3  |            | 4              |       |         |      |



| Limestone total inhalable                     | 1317-65-3 | 10 |   |  |
|---|-----------|----|---|--|
| Limestone respirable                          | 1317-65-3 | 4  |   |  |
| Marble total inhalable                        | 1317-65-3 | 10 |   |  |
| Marble respirable                             | 1317-65-3 | 4  |   |  |
| Tin compounds, inorganic except SnH4, (as Sn) | 7488-55-3 | 2  | 4 |  |

Region Source

United UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Kingdom

Remark Notes

(t) Carc (where generated as a result of a work process)

8.2 Exposure controls

8.2.1. Appropriate engineering Ensure adequate ventilation. A washing facility/water for eye and

controls skin cleaning purposes should be present.

8.2.2. Personal protection

equipment

**Eye Protection** Wear eye protection with side protection (EN166).

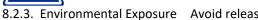
Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).

Respiratory protection

Normally no personal respiratory protection is necessary. If ventilation is inadequate, suitable respiratory protection must be

worn. Use respiratory equipment with particle filter P2.

Thermal hazards None known.



8.2.3. Environmental Exposure Avoid release to the environment.

Controls

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

**Appearance** Solid.

Colour: Off-white

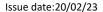
Odour Almost colourless

Odour threshold Not known. >11.5 рΗ

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

range

Flash Point Not applicable. **Evaporation rate** Not known. Flammability (solid, gas) Not known.





Upper/lower flammability or

explosive limits

Not known.

Vapour pressure Not known.
Vapour density Not known.
Density (g/ml) Not known.
Relative density Not known.

Solubility(ies) Solubility (Water): Very slightly soluble

Solubility (Other): Not known.

Partition coefficient: n-

octanol/water

Not known.

Auto-ignition temperature Not known.

Decomposition Temperature (°C) Not known.

Viscosity Not known.

Explosive properties Not known.

Oxidising properties Not known.

9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Fire creates: carbon monoxide, carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Acute toxicity - Ingestion Calculation method : Not classified.

Calculation method: Calculated acute toxicity estimate (ATE) Calc

ATE - 833333.31

Acute toxicity - Skin Contact Calculation method : Not classified.
Acute toxicity - Inhalation Calculation method : Not classified.

Skin corrosion/irritation Calculation method : Causes skin irritation.
Serious eye damage/irritation Calculation method : Causes serious eye damage.

Skin sensitization data Calculation method : May cause an allergic skin reaction.

Respiratory sensitization data
Germ cell mutagenicity
Carcinogenicity
Carcinogenicity
Capproductive toxicity
Calculation method : Not classified.

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# **BAL RAPID XP PLUS**

STOT - single exposure Calculation method : May cause respiratory irritation. Cement dust

may irritate the throat and respiratory tract. Based on available

data, the classification criteria are not met.

STOT - repeated exposure Calculation method : not classified. There is an indication of

Chronic Obstructive Pulmonary Disease (COPD). The effects are acute and due to high exposures. No chronic effects or effects at

low concentration have been observed.

Aspiration hazard

Calculation method: Not classified.

11.2 Other information

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

## 12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.

Toxicity - Fish Low toxicity to fish.

Toxicity - Algae Low toxicity to algae.

Toxicity - Sediment Not classified.

Compartment

Toxicity - Terrestrial Not classified.

Compartment

12.2 Persistence and degradability

After hydration, cement presents no toxicity risk.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Partly miscible in water.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

## 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.

Dispose at suitable

# 13.2 Additional Information

Disposal should be in accordance with local, state or national logislation

legislation.

# SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable



14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

## SECTION 15: REGULATORY INFORMATION

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or

United Kingdom Regulations - Authorisations and/or Restrictions On Use

**UK REACH Candidate List of** Not listed

Substances of Very High Concern

for Authorisation

**UK REACH Authorisation List** Not listed

(Annex XIV) list of substances

subject to authorisation **UK REACH Restrictions List** 

Cement, portland, chemicals (65997-15-1), Calcium

manufacture, placing on the market and use of certain

(Annex XVII) Restrictions on the Sulphoaluminate Cement (), lithium carbonate (554-13-2), citric acid (77-92-9), sodium carbonate (497-19-8), Tin sulphate (7488-

55-3)

dangerous substances, mixtures

and articles

**UK REACH Rolling Action Plan** Not listed

(RAP)

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106)

as amended

The Ozone-Depleting Substances Not listed

and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and import of hazardous chemicals SI2008/2108 as

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan Tin sulphate (7488-55-3)

(CoRAP)

## 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out. **United Kingdom** 



## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

#### **LEGEND**

Hazard Pictogram(s)





GHS08: GHS: Health hazard

Hazard classification Acute Tox. 4 : Acute toxicity, Category 4

Skin Irrit. 2: Skin corrosion/irritation, Category 2 Skin Sens. 1: Skin sensitization, Category 1 Skin Sens. 1B: Skin sensitization, Category 1B

Eye Dam. 1 : Serious eye damage/irritation, Category 1
Eye Irrit. 2 : Serious eye damage/irritation, Category 2
STOT SE 3 : Specific target organ toxicity — single exposure,

Category 3

STOT RE 2 : Specific target organ toxicity — repeated exposure,

Category 2

Hazard Statement(s) H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated

exposure.

Precautionary Statement(s) P102: Keep out of reach of children.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hands and exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of

the workplace.

P280: Wear protective gloves/protective clothing/eye

protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

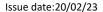
P304+P340: IF INHALED: Remove person to fresh air and keep

comfortable for breathing.

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 CENTRE/doctor.
P312: Call a POISON CENTRE/doctor if you feel unwell.





P321: Specific treatment (see Medical Advice on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P333+P313: If skin irritation or rash occurs: Get medical

advice/attention.

P362+P364: Take off contaminated clothing and wash it before

reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly

closed.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or

national legislation.

Acronyms ATE : Acute Toxicity Estimate

CAS: Chemical Abstracts Service DNEL: Derived No Effect Level EC: European Community

**EINECS**: European Inventory of Existing Commercial Chemical

Substances

LTEL: Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of

Chemicals

STEL: Short term exposure limit STOT: Specific Target Organ Toxicity

vPvB: very Persistent and very Bioaccumulative

Issued by: Head of R+D

Issue number: 01

Key literature references and GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

sources for data used to compile

the SDS

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