

# PAREX

## SAFETY DATA INFORMATION SHEET

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

#### 1.1 Identification of the substance or preparation:

Name: EHI GF

Product code: EHI-FIN

#### 1.2 Use of substance/preparation:

Building trade

Ready to mix mortar

#### 1.3 Identification of the company:

Corporate Name: Parex Ltd

Address: Holly Lane Industrial Estate, Atherstone, Warwickshire CV9 2QZ, UK.

Telephone: 01827 711755 Fax: 01827 011330 Email: [sds@parex.co.uk](mailto:sds@parex.co.uk)

[www.parex.co.uk](http://www.parex.co.uk)

1.4 Emergency telephone number (Monday – Friday. 08:30 – 16:30) 01827 711755

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008

Causes skin irritation, Category 2 (Skin Irrit. 2, H315).

Causes serious eye damage, Category 1 (Eye Dam. 1, H318).

May cause an allergic skin reaction, Category 1 (Skin Sens. 1, H317).

The mixture does not present a physical danger. Observe all precautions relating to other products in the vicinity.

The mixture is not dangerous for the environment. No harm to the environment is foreseen under normal conditions of use.

#### 2.2 Label elements

##### Classification according to Regulation (EC) 1272/2008

Hazard pictograms:



GHS07

GHS05

Signal word:

DANGER

Product identifier:

Contains Portland Cement, CAS 65997-15-1, EC 266-43-4

Contains calcium hydroxide, CAS 1305-62-0, EC 215-137-3

**Additional hazard information:**

H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.

**Precautionary statements:**

P102: Keep out of reach of children.  
 P261: Avoid breathing dust.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 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 or a doctor/physician.  
 P333 + P313 If skin irritation or rash occurs: get medical advice/attention.  
 P501: Dispose of contents/container to a waste collection point. Before doing so, the product must be rendered inert by water curing. The packaging must be emptied completely.

**2.3 Other hazards**

The mixture does not contain any SVHCs (Substances of Very High Concern) published by the European Chemicals Agency (ECHA), under Article 57 of the REACH Regulations.

The mixture does not meet the applicable PBT or vPvB criteria for Annex XIII of the REACH Regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

No substance meets the criteria laid out in Part A of Annex II of the REACH Regulations.

**3.2 Mixtures****Composition**

| Name  | Classification (EC) 1272/2008   | Classification 67/548/EEC  | Notes | Percentage          |
|---|---|----------------------------|-------|---------------------|
| PORTLAND CEMENT<br>CAS 65997-15-1<br>EC 266-043-4                               | GHS07, GHS05<br>Dgr<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Dam. 1, H318<br>STOT SE 3, H335 | Xi<br>Xi; R37/38, R41, R43 | [1]   | $2.5 \leq x\% < 10$ |
| CALCIUM HYDROXIDE<br>CAS 1305-62-0<br>EC 215-137-3<br>REACH<br>01-2119475151-45 | GHS07, GHS05<br>Dgr<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335                       | Xi<br>Xi; R37/38, R41      | [1]   | $10 < x\% < 25$     |

**Information on the ingredients**

[1] Substance for which there are exposure limits in the workplace (WEL).

**4. FIRST AID MEASURES**

As a general rule, if in doubt or if symptoms persist, always consult a doctor.  
 NEVER give anything by mouth to an unconscious person.

**4.1****Inhalation**

Wash the neck and the throat with water (only if the patient is conscious). Move the patient to fresh air. If symptoms persist, consult a doctor.

**In case of splashing or on contact with eyes**

Irrigate IMMEDIATELY and thoroughly with plenty of water for at least 15 minutes, holding the eyelids back. Ask patient to move eyes in all directions, being careful to remove any traces of the product from the conjunctival cul de sacs. Consult an ophthalmologist.

**In case of splashing or on contact with skin**

Be aware that powder may remain between the skin and the clothing. In case of an allergic reaction, consult a doctor. If the contaminated area is widespread, and/or there are skin lesions, a doctor must be consulted, or the patient retransferred to the nearest hospital. If powder is dry, remove as much dust as possible, then flush with plenty of water. If the powder has been mixed, flush with plenty of water.

**Ingestion**

For a small amount, rinse the mouth with water and consult a doctor. For a large amount, do not give fluids to drink, do not induce vomiting, transfer to a hospital and show the label or safety sheet.

**4.2 Main symptoms and effects, both acute and delayed.**

No information available.

**4.3 Indication of any immediate medical attention or special treatment necessary.****Specific and immediate treatment**

Wash with plenty of water.

**5. FIRE FIGHTING MEASURES**

Not flammable

**5.1 Extinguishing media**

Use fire extinguishing media suitable for the surrounding materials.

**5.2 Special hazards arising from the substance or mixture.**

No information available

**5.3 Advice to fire-fighters**

No information available.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Individual precautions**

Refer to protection measures listed under sections 7 and 8.

**For non-emergencies**

Avoid contact with eyes, skin and avoid breathing dust. Handle product with appropriate clothing (gloves, overalls, boots ...) and wear an adapted dust mask in case dust flies up.

**For emergencies**

Appropriate PPE (Personal Protective Equipment) is to be worn. (Refer to Section 8.)

**6.2 Precautions for environmental protection**

Keep containers ready for disposal of collected waste according to current regulations (see section 13). Do not allow the product to enter the water courses. If the product does enter the water courses, alert the relevant authorities without delay.

**6.3 Cleaning methods**

Clear up the product mechanically, avoiding letting powder fly up, and place it in an appropriate container. After setting, product can be disposed of in the same way as normal building waste.

**6.4 Reference to other sections**

No information available

**7. HANDLING AND STORAGE**

The requirements concerning storage premises are applicable to the workshop where the product is being handled. People with a history of skin sensitivity must never handle these types of products.

### 7.1 Safe handling precautions

Wash hands after every use.

Remove any contaminated clothing and launder before re-use.

Preferably handle in sufficiently well aerated premises. Avoid allowing dust to fly up during use; if it is unavoidable, wear an anti-dust mask.

### Recommended equipment and procedures

For individual protection, see section 8.

Follow all precautions listed on the label as well as work safety regulations.

Avoid inhaling the dust.

Avoid any contact of the product with the eyes.

### Forbidden equipment and procedures

Smoking, eating and drinking are forbidden in the areas where the preparation is used.

Never open packaging by applying pressure.

### 7.2 Necessary conditions for safe storage, including any incompatibilities

No information available.

### Storage

Keep out of the reach of children.

Keep away from damp.

### Packaging

Always store in the original containers.

### 7.3 Particular end uses.

No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Workplace exposure limits

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

| CAS        | TWA:                | STEL: | Upper limit | Definition | Criteria |
|------------|---------------------|-------|-------------|------------|----------|
| 65997-15-1 | 10mg/m <sup>3</sup> | -     | -           | -          | -        |
| 1305-62-0  | 5mg/m <sup>3</sup>  | -     | -           | -          | -        |

Belgium (Decree of 19/05/2009, 2010):

| CAS        | TWA:                | STEL: | Upper limit | Definition | Criteria |
|------------|---------------------|-------|-------------|------------|----------|
| 65997-15-1 | 10mg/m <sup>3</sup> | -     | -           | -          | -        |
| 1305-62-0  | 5mg/m <sup>3</sup>  | -     | -           | -          | -        |

France (INRS-ED984:2008):

| CAS       | VME-ppm: | VME-mg/m <sup>3</sup> : | VLE-ppm: | VLE-mg/m <sup>3</sup> : | Notes: | TMP No.: |
|-----------|----------|-------------------------|----------|-------------------------|--------|----------|
| 1305-62-0 |          | 5                       | -        | -                       |        | -        |

Germany – AGW (BAuA – TRGS 900, 21/06/2010):

| CAS        | VME: | VME:                  | Exceeding: | Notes |
|------------|------|-----------------------|------------|-------|
| 65997-15-1 | -    | 5 mg/m <sup>3</sup> E | -          | -     |

Netherlands (SER, 4<sup>th</sup> May 2010):

| CAS | TWA: | STEL: | Upper limit | Definition | Criteria |
|-----|------|-------|-------------|------------|----------|
|-----|------|-------|-------------|------------|----------|

|            |                     |   |   |   |   |
|------------|---------------------|---|---|---|---|
| 65997-15-1 | 10mg/m <sup>3</sup> | - | - | - | - |
|------------|---------------------|---|---|---|---|

United Kingdom/ WEL (Workplace exposure limits, EH40/2005, 2007):

| CAS        | TWA:                | STEL: | Upper limit | Definition | Criteria |
|------------|---------------------|-------|-------------|------------|----------|
| 65997-15-1 | 10mg/m <sup>3</sup> | -     | -           | -          | TI       |
| 1305-62-0  | 5mg/m <sup>3</sup>  | -     | -           | -          | -        |

## 8.2 Exposure controls

Avoid contact with mucous membranes, eyes and hands.

Do not rub eyes with dirty hands.

People with a history of skin sensitivity must never handle this type of product.

## Personal Protective Equipment (PPE)

Always use the appropriate PPE, correctly maintained.

Do not eat, drink or smoke when using the product.

Remove all contaminated clothing, and launder before re-use.

Provide adequate ventilation, particularly in confined areas.

## Eye and face protection

Avoid contact with eyes.

Before handling, it is necessary to wear eye protection conforming to EN166.

Provide a container of clean water or an eye fountain close by in case of splashes in eyes.

## Hand protection

For prolonged or repeated contact, wear appropriate gloves.

Impermeable cotton-lined working gloves or protective creams.

## Body protection

Avoid contact with skin.

Wear work clothing which is regularly laundered.

After contact with the product, all contaminated parts of the body must be washed.

Fastened work clothes protecting forearms, with gloves providing continuous protection. For kneeling work, impermeable kneepads are recommended.

Protective barrier creams may be used. Avoid prolonged contact.

Take care that the product does not enter gaps between skin and clothes, watch, shoes.

## Respiratory protection

Avoid inhaling the product.

Anti-dust mask conforming to EN149

## Thermal hazards

The mixture does not present a thermal hazard.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

|  |                |
|--|----------------|
| Physical state                                   | Powder         |
| pH of the substance / preparation:               | Strong base    |
| When it is possible to measure pH, its value is: | 12.00          |
| Boiling point                                    | Not applicable |
| Flash point                                      | Not applicable |
| Vapour pressure                                  | Not applicable |
| Density  | >1             |
| Solubility in water                              | Soluble        |

### Other data

|               |                |
|---------------|----------------|
| Melting point | Not applicable |
|---------------|----------------|

Spontaneous combustion temperature

Not applicable

**9.2 Other information**

No information available

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No information available

**10.2 Chemical stability**

The preparation is stable whilst being handled and stored as recommended in section 7.

**10.3 Possibility of hazardous reactions**

No information available

**10.4 Conditions to avoid**

Dampness.

Dampness can cause mortar to set.

**10.5 Incompatible materials**

No information available

**10.6 Hazardous decomposition products**

No information available

**11. TOXICOLOGICAL INFORMATION****11.1 Information on the toxicological effects.**

May cause reversible skin lesions, such as skin inflammation, sores, erythaema or swelling, even after an exposure of only four hours.

May cause irreversible damage to the eyes, such as lesions in the eye tissue, or grave damage to the eyesight, which may not be completely reversible, even after 21 days.

The eye lesions are characterised by destruction of the cornea, a persistent opacity of the cornea or inflammation of the iris.

May cause an allergic skin reaction.

**11.1.1 Substances****Acute toxicity**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Oral: Rat LD<sub>50</sub> >2000mg/kg  
OECD Guideline 425 (Acute oral toxicity – method for adjusting doses.)

Skin: Rabbit LD<sub>50</sub> >2500mg/kg  
OECD Guideline 402 (Acute dermal toxicity.)

PORTLAND CEMENT (CAS 65997-15-1)

Skin: Rat LD<sub>50</sub> = 2500mg/kg  
OECD Guideline 402 (Acute dermal toxicity.)

**Skin irritation**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Rabbit. Mean score  $2.3 \leq x \leq 4.0$   
OECD Guideline 404 (Skin irritation.)

**Eye irritation**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Causes serious eye damage

Corneal opacity Rabbit. Mean score  $\geq 3$

Iritis Rabbit. Mean score  $\geq 1.5$

The substance produced, in at least one animal, effects on the conjunctiva which did not appear to be reversible, even after an observation period of 21 days. (Guinea pig; rabbit)

#### **Germ cell mutagenicity**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Mutagenicity (in vitro) Bacteria. Negative.

OECD Guideline 471 (Reverse mutation test on bacteria.)

#### **Specific Target Organ Toxicity – repeated exposure**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Oral C = 36mg/kg body weight per day

Duration: 90 days

#### **11.1.2 Mixtures**

##### **Skin irritation**

Portland cement can irritate damp skin, due to partial hydration leading to an elevated pH. Prolonged contact with mixed cement may cause burns to the skin.

##### **Eye damage or irritation**

May cause inflammation of the eyelids (blepharitis), the cornea, or cause lesions to form on the eyeballs.

##### **Respiratory or skin sensitisation**

Portland cement can irritate the respiratory system, and inflame the nasal mucous membranes. In extreme cases, erosion of the mucous membranes has been observed.

Prolonged exposure without suitable protection (gloves) may cause irritant dermatitis. In subjects predisposed to allergies, these lesions may lead to allergies to certain substances present as traces in the cement. Further damage may be encountered if there is prolonged unprotected contact. This usually appears on the fingers: fissural dermatitis, ulcerations, hyperkeratosis.

##### **Other information**

Portland cement has a caustic effect on the digestive tract and can cause burning of the mouth, oesophagus and stomach.

## **12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### **12.1.1 Substances**

CALCIUM HYDROXIDE (CAS 1305-62-0)

Toxicity to fish: LC<sub>50</sub>, 96h = 50.6mg/l

Toxicity to crustaceans: EC<sub>50</sub>, 48h = 49.1mg/l

NOEC (No observed effect concentration), 32mg/l

Duration of exposure = 14 days

Toxicity to algae: ErC<sub>50</sub>, 72h = 184.57mg/l

NOEC (No observed effect concentration), 72h = 48mg/l

### 12.1.2 Mixtures

The product must not be allowed into sewers or water courses.

## 12.2 Persistence and biodegradability

### Substances

CALCIUM HYDROXIDE (CAS 1305-62-0)

Biodegradability: No information available. The substance is not considered to be readily biodegradable.

### 12.3 Bioaccumulative potential

Nil

### 12.4 Mobility in soil

Nil

### 12.5 Results of PBT and vPvB assessment

No information available

### 12.6 Other adverse effects

If accidentally released into residual water, the cement powder causes a slight rise in the water's pH. Cement is a stable material which fixes its components permanently and makes them insoluble.

## 13. DISPOSAL CONSIDERATIONS

Disposal of any waste product and/or any contaminated containers must be in accordance with the Waste Directive 2008/98/EC.

### 13.1 Waste treatment methods

Do not pour into sewers or water courses.

After setting, mortar can be removed in the same way as other construction residues and stored in appropriate dumps in compliance with current regulations.

### Waste:

All waste must be disposed of with no risk of harm to either health or the environment. In particular, there must be no risk to water, air, soil, flora or fauna.

Recycle or eliminate in accordance with the Waste Directive 2008/98/EC.

Do not contaminate the soil or water with waste, do not dispose of irresponsibly in the environment.

### Soiled packaging:

Completely empty the container. Keep the label(s) on the container.

Give to a licenced disposal company.

## 14. TRANSPORT INFORMATION

Exempted from Transport classification and labelling.

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental legislation pertinent to the mixture.

#### Information relating to the classification and labelling set in Sections 2, 16

The following regulations were taken into account –

Directive 67/548/EEC and its adaptations

Directive 1999/45/EC and its adaptations

Regulation (EC) No 1272/2008, as modified by Regulation (EC) No 286/2011

#### Information relating to the packaging

No information available

#### Special provisions

No information available

### 15.2 Chemical Safety Assessment

No information available

## 16. OTHER INFORMATION

As we are not aware of the working conditions of the user, the information given in the present data sheet is based on our knowledge and on both national and community regulations.

The product must not be used for other purposes than those specified in section 1, without first obtaining written handling instructions.

It is always the user's responsibility to take all necessary precautions in order to meet the demands of the law and local regulations.

The information given in the present sheet must be considered as a description of safety requirements for our product and not as a guarantee of its properties.

#### Classification of the preparation according to Directives 67/548/EEC, 1999/45/EC and their adaptations.

Hazard symbol



Irritant

#### Contains:

PORTLAND CEMENT CAS 65997-15-1, EC 266-043-4

CALCIUM HYDROXIDE CAS 1305-62-0, EC 215-137-3, REACH 01-2119475151-45

Risk phrases:

R43 May cause sensitisation by skin contact.

R41 Risk of serious damage to eyes.

Safety phrases:

S24 Avoid contact with skin

S25 Avoid contact with eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Full text of H, EUH and R phrases mentioned in Section 3

|        |   |
|--------|---|
| H315   | Causes skin irritation                    |
| H317   | May cause an allergic skin reaction       |
| H318   | Causes serious eye damage                 |
| H335   | Respiratory tract irritation              |
| R37    | Irritating to respiratory system          |
| R37/38 | Irritating to respiratory system and skin |
| R41    | Risk of serious damage to eyes            |
| R43    | May cause sensitisation by skin contact   |

**Abbreviations**

GHS05: Corrosive

GHS07: Exclamation mark