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earthborn®

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

Earthborn Casein Filler

Article No.:

1-181

Additional information:

Filler

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

Use of the substance/mixture:

Coatings and paints, fillers, putties, thinners  
Bodyfiller/stopper

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Earthborn  
Frodsham Business  
Centre Bridge Lane  
Frodsham  
WA6 7FZ

Telephone: 01928 734 171

Fax: 01928 731 732

E-mail: info@earthbornpaints.co.uk

Website: www.earthbornpaints.co.uk

1.4. Emergency telephone number

01928 734 171

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	

2.2. Label elements

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

Hazard pictograms:



**GHS05**  
Corrosion



**GHS07**  
Exclamation mark

Signal word: Danger

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**hazard statements for health hazards**

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

**Supplemental hazard information**

EUH208	Contains Cement, portland, chemicals. May produce an allergic reaction.
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**Precautionary statements Prevention**

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

**Precautionary statements Response**

P302 + P350	IF ON SKIN: Gently wash with plenty of soap and 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.
P312	Call a POISON CENTER if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

**Precautionary statements Disposal**

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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**2.3. Other hazards**



**Adverse human health effects and symptoms:**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 65997-15-1 EC No.: 266-043-4	<b>Cement, portland, chemicals</b> Eye Dam. 1, STOT SE 3, Skin Irrit. 2, Skin Sens. 1  <b>Danger</b> H315-H318	27 - 45 weight-%
CAS No.: 1305-62-0 EC No.: 215-137-3	<b>calcium dihydroxide</b> Substance with a community workplace exposure limit.  <b>Danger</b> H315-H318-H335	3 - 9 weight-%

Full text of H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.

**Following inhalation:**

Provide fresh air. Get medical advice/attention if you feel unwell.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Following ingestion:**

Rinse mouth. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

**Self-protection of the first aider:**

Use personal protection equipment.

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

Skin corrosion/irritation. Allergic reactions

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:**

Full water jet

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

No data available

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**5.4. Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel**

**Personal precautions:**

Avoid dust formation. Avoid contact with skin, eyes and clothes.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

**Emergency procedures:**

Provide adequate ventilation.

**6.1.2. For emergency responders**

**Personal protection equipment:**

Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

**For containment:**

Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up:**

Water (with cleaning agent)

**6.4. Reference to other sections**

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

**6.5. Additional information**

Use appropriate container to avoid environmental contamination.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8). Do not breathe dust. Ensure adequate ventilation of the storage area.

**Measures to prevent aerosol and dust generation:**

Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection  
High efficiency particulate air filter (HEPA filter)

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

**7.2. Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

**Storage class:** 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

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**7.3. Specific end use(s)**

No data available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.1.1. Occupational exposure limit values**

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
BE	calcium carbonate CAS No.: 1317-65-3	① 10 mg/m <sup>3</sup>
WEL (GB)	calcium carbonate CAS No.: 1317-65-3	① 10 mg/m <sup>3</sup> ⑤ (inhalable fraction)
WEL (GB)	calcium carbonate CAS No.: 1317-65-3	① 4 mg/m <sup>3</sup> ⑤ (respirable fraction)
BE	Cement, portland, chemicals CAS No.: 65997-15-1	① 1 mg/m <sup>3</sup>
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1	① 10 mg/m <sup>3</sup> ⑤ (inhalable fraction)
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1	① 4 mg/m <sup>3</sup> ⑤ (respirable fraction)
BE	calcium dihydroxide CAS No.: 1305-62-0	① 1 mg/m <sup>3</sup> ② 4 mg/m <sup>3</sup>
IOELV (EU)	calcium dihydroxide CAS No.: 1305-62-0	① 1 mg/m <sup>3</sup> ② 4 mg/m <sup>3</sup> ⑤ (respirable fraction)
WEL (GB)	calcium dihydroxide CAS No.: 1305-62-0	① 5 mg/m <sup>3</sup>
TRGS 900 (DE)	calcium dihydroxide CAS No.: 1305-62-0	① 1 mg/m <sup>3</sup> ② 2 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)
WEL (GB)	calcium dihydroxide CAS No.: 1305-62-0	① 1 mg/m <sup>3</sup> ② 4 mg/m <sup>3</sup> ⑤ (respirable fraction)

**8.1.2. Biological limit values**

No data available

**8.1.3. DNEL-/PNEC-values**

Substance name	DNEL value	① DNEL type ② Exposure route ③ Exposure time
calcium dihydroxide CAS No.: 1305-62-0	1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects ③ 8 h
calcium dihydroxide CAS No.: 1305-62-0	4 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects

Substance name	PNEC Value	① PNEC type
calcium dihydroxide CAS No.: 1305-62-0	0.49 mg/l	① PNEC aquatic, freshwater
calcium dihydroxide CAS No.: 1305-62-0	1,080 mg/kg	① PNEC soil



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**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

No data available

**8.2.2. Personal protection equipment**

**Eye/face protection:**

Eye glasses with side protection DIN EN 166

**Skin protection:**

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Respiratory protection:**

Particle filter device (DIN EN 143)

**8.2.3. Environmental exposure controls**

No data available

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state:** Powder

**Colour:** white

**Odour:** odourless

**Safety relevant basis data**

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits				not explosive according to EU A.14
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

The product itself does not burn.

**10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

Do not mix with acids.

**10.4. Conditions to avoid**

Heat

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**10.5. Incompatible materials**

No data available

**10.6. Hazardous decomposition products**

In case of fire: Gases/vapours, toxic

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

CAS No.	Substance name	Toxicological information
1305-62-0	calcium dihydroxide	<b>LD<sub>50</sub> dermal:</b> >2,500 mg/kg (Rabbit) OECD 402 <b>LD<sub>50</sub> oral:</b> =2,500 mg/kg (Rabbit) OECD 402

**Acute oral toxicity:**

The classification criteria for this hazard class are not met by definition.

**Acute dermal toxicity:**

The classification criteria for this hazard class are not met by definition.

**Acute inhalation toxicity:**

The classification criteria for this hazard class are not met by definition.

**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes serious eye damage.

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction.

**Germ cell mutagenicity:**

The classification criteria for this hazard class are not met by definition.

**Carcinogenicity:**

The classification criteria for this hazard class are not met by definition.

**Reproductive toxicity:**

The classification criteria for this hazard class are not met by definition.

**STOT-single exposure:**

May cause respiratory irritation.

**STOT-repeated exposure:**

The classification criteria for this hazard class are not met by definition.

**Aspiration hazard:**

The classification criteria for this hazard class are not met by definition.

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No.	Substance name	Toxicological information
1305-62-0	calcium dihydroxide	<b>EC<sub>50</sub>:</b> 49.1 mg/l 2 d (crustaceans, Krebstiere) <b>EC<sub>50</sub>:</b> 184.57 mg/l 3 d (Algae/water plant, Alge/Wasserpflanze) <b>LC<sub>50</sub>:</b> 50.6 mg/l 4 d (fish, Fisch) <b>LC<sub>50</sub>:</b> 158 mg/l 4 d (crustaceans, Krebstiere) <b>NOEC:</b> 32 mg/l 12 d (crustaceans, Krebstiere) <b>NOEC:</b> 1,080 mg/l 21 d (Algae/water plant, Alge/Wasserpflanze) <b>NOEC:</b> 48 mg/l 3 d (Algae/water plant, Alge/Wasserpflanze)

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

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**12.5. Results of PBT and vPvB assessment**

CAS No.	Substance name	Results of PBT and vPvB assessment
65997-15-1	Cement, portland, chemicals	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
1305-62-0	calcium dihydroxide	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Dispose of waste according to applicable legislation.

**Waste treatment options**

**Appropriate disposal / Product:**

Consult the appropriate local waste disposal expert about waste disposal.

**Appropriate disposal / Package:**

Consult the appropriate local waste disposal expert about waste disposal.

**SECTION 14: Transport information**

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

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

not relevant

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU legislation**

**Authorisations:**

Regulation (EC) No. 304/2003 of the European parliament and of the council concerning the export and import of dangerous chemicals: not applicable

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: not applicable

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**15.1.2. National regulations**

 [DE] National regulations

Water hazard class

WGK:

1 - schwach wassergefährdend

**15.2. Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**16.1. Indication of changes**

\* Data changed compared with the previous version

**16.2. Abbreviations and acronyms**

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

**16.3. Key literature references and sources for data**

No data available

**16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	

**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

Hazard statements	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

**16.6. Training advice**

No data available

**16.7. Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.