

Revision date: 16-Mar-2017 Version: 1.0.0.0. Print date: 21-Apr-2017

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

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

Use of the substance/mixture:
Paints

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
Cheshire
WA6 7FZ

Telephone: 01928 734 171

Telefax: 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

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.

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Supplemental Hazard information (EU)

EUH208 Contains Cement, portland, chemicals. May produce an allergic reaction.

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.

P312.1 Call a POISON CENTER if you feel unwell.

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

Precautionary statements Disposal

P501.2 Dispose of contents/container to an appropriate recycling or disposal facility.

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 [CL P]	Concentration
CAS No.: 65997-15-1 EC No.: 266-043-4	Cement, portland, chemicals Eye Dam. 1, STOT SE 3, Skin Irrit. 2, Skin Sens. 1 Danger H315-H318	27 - 45 Wt %
CAS No.: 1305-62-0 EC No.: 215-137-3	calcium dihydroxide Danger H315-H318-H335	3 - 9 Wt %

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.

After 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.

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media:

High power 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

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
WEL (GB)	calcium carbonate CAS No.: 471-34-1	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	calcium carbonate CAS No.: 471-34-1	① 4 mg/m ³ ⑤ (respirable fraction)
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	Cement, portland, chemicals CAS No.: 65997-15-1	① 4 mg/m ³ ⑤ (respirable fraction)
IOELV (EU)	calcium dihydroxide CAS No.: 1305-62-0	① 5 mg/m ³
WEL (GB)	calcium dihydroxide CAS No.: 1305-62-0	① 5 mg/m ³

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	4 mg/m ³	① DNEL worker ② DNEL acute inhalative (local)
calcium dihydroxide CAS No.: 1305-62-0	1 mg/m ³	① DNEL worker ② DNEL long-term inhalative (local) ③ 8 h

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 DIN EN 374 Suitable material: Breakthrough time (maximum wearing 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

8.3. Additional information

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

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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 (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<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>			
Relative density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	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

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
471-34-1	calcium carbonate	LD₅₀ oral: 6,450 mg/kg (Ratte)
1305-62-0	calcium dihydroxide	LD₅₀ dermal: >2,500 mg/kg (Rabbit) OECD 402 LD₅₀ oral: =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.

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Skin corrosion/irritation:

Causes skin irritation.

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	EC₅₀ : 49.1 mg/l 2 d (Krebstiere) EC₅₀ : 184.57 mg/l 3 d (Alge/Wasserpflanze) LC₅₀ : 50.6 mg/l 4 d (Fisch) LC₅₀ : 158 mg/l 4 d (Krebstiere) NOEC : 32 mg/l 12 d (Krebstiere) NOEC : 1,080 mg/l 21 d (Alge/Wasserpflanze) NOEC : 48 mg/l 3 d (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

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.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

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14.1. UN-No.	not relevant
14.2. UN proper shipping name	not relevant
14.3. Transport hazard class(es)	not relevant
14.4. Packing group	not relevant
14.5. Environmental hazards	not relevant
14.6. Special precautions for user	not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

15.1.2. National regulations
 No data available

15.2. Chemical Safety Assessment
 For this substance a chemical safety assessment has not been carried out.

15.3. Additional information
 No data available

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

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]:

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

16.6. Training advice

No data available

16.7. Additional information

No data available