

Claypaint

Revision date: 29 May 2020 Version: 1.2.0.0. Print date: 7 Apr 2021

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:

Claypaint

Other means of identification:

Claypaint,

Article No.:

3-122/121

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

Use of the substance/mixture:

Coating material

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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -

Supplemental hazard information

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Precautionary statements: -

2.3. Other hazards

Adverse environmental effects:

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

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2634-33-5 EC No.: 220-120-9	1,2-benzisothiazol-3(2H)-one Acute Tox. 4, Aquatic Acute 1, Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1  Danger H302-H315-H317-H318-H400 Specific concentration limit (SCL): Skin Sens. 1; H317: C ≥ 0.05%	0 – ≤ 0.03 weight-%
CAS No.: 55965-84-9 Index No.: 613-167-00-5	Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Acute Tox. 2, Acute Tox. 3, Aquatic Chronic 1, Eye Dam. 1, Skin Corr. 1C, Skin Sens. 1A  Danger H301-H310-H314-H317-H330-H410-EUH071 M-factor (acute): 100 M-factor (chronic): 100 Specific concentration limit (SCL): Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06% ≤ C < 0.6% Eye Dam. 1; H318: C ≥ 0.6% Eye Irrit. 2; H319: 0.06% ≤ C < 0.6% Skin Sens. 1A; H317: C ≥ 0.002%	0 – < 0.0015 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). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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 mist, alcohol resistant foam, Dry extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

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Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment. Special danger of slipping by leaking/spilling product.

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:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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

Clear spills immediately. 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).

Fire prevent measures:

The product itself does not burn.

Measures to prevent aerosol and dust generation:

not relevant

Environmental precautions:

No special measures are necessary.

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:

The product is stable under storage at normal ambient temperatures. Keep container tightly closed in a cool, well-ventilated place. not useable after freezing.

Packaging materials:

Keep/Store only in original container.

Requirements for storage rooms and vessels:

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

Hints on storage assembly:

not relevant

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

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7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

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 EC No.: 215-279-6	① 10 mg/m ³
WEL (GB)	calcium carbonate CAS No.: 1317-65-3 EC No.: 215-279-6	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	calcium carbonate CAS No.: 1317-65-3 EC No.: 215-279-6	① 4 mg/m ³ ⑤ (respirable fraction)
BE	Aluminum silicate hydrate CAS No.: 1332-58-7 EC No.: 310-194-1	① 2 mg/m ³ ⑤ (fraction respirable)
WEL (GB)	Aluminum silicate hydrate CAS No.: 1332-58-7 EC No.: 310-194-1	① 2 mg/m ³ ⑤ (respirable fraction)
BE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ dioxyde de carbone
WEL (GB)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 4 mg/m ³ ⑤ (respirable fraction)
DFG (DE)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.3 mg/m ³ multipliziert mit der Materialdichte ② 2.4 mg/m ³ multipliziert mit der Materialdichte ⑤ (alveolengängige Fraktion)
WEL (GB)	Sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	② 2 mg/m ³
BE	Sodium hydroxide CAS No.: 1310-73-2 EC No.: 215-185-5	③ 2 mg/m ³ ⑤ (hydroxyde de)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	PNEC Value	① PNEC type
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	0.184 mg/l	① PNEC aquatic, freshwater
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	0.018 mg/l	① PNEC aquatic, marine water
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/l	① PNEC sewage treatment plant
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/l	① PNEC sediment, freshwater

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Substance name	PNEC Value	① PNEC type
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/l	① PNEC sediment, marine water
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/l	① PNEC soil, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

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: NBR (Nitrile rubber) In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Usually no personal respiratory protection necessary.

Thermal hazards:

See chapter 7. No additional measures necessary.

Other protection measures:

Provide adequate ventilation.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

Avoid contact with eyes and skin. When using do not eat, drink or smoke. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: white

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	8 - 9	20 °C		
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	1.6 - 1.65 g/cm ³	20 °C		
Relative density	not determined			
Bulk density	not determined			
Water solubility	not determined			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined	40 °C		

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Frost , Heat . Protect from direct sunlight.

10.5. Incompatible materials

No hazardous reaction when handled and stored according to provisions.

10.6. Hazardous decomposition products

In case of fire may be liberated: Hazardous decomposition products : Carbon dioxide , Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance name	Toxicological information
1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9	LD₅₀ dermal: 2,000 mg/kg (Rat) OECD 402 LD₅₀ oral: 1,020 mg/kg (Rat)
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). CAS No.: 55965-84-9	LD₅₀ oral: 53 mg/kg (Rat)

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).. May produce an allergic reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9	LC ₅₀ : 0.8 mg/l 4 d (fish) EC ₅₀ : 4.4 mg/l 2 d (crustaceans)
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). CAS No.: 55965-84-9	LC ₅₀ : >0.19 - <2.13 mg/l 4 d (fish) LC ₅₀ : =0.56 mg/l 2 d (crustaceans) EC ₅₀ : >0.18 - <13 mg/l 2 d (crustaceans) EC ₅₀ : =0.13 mg/l 3 d (Algae/water plant) EC ₅₀ : =0.06 mg/l 4 d (Algae/water plant) LC ₅₀ : >0.07 - <0.3 mg/l 4 d (fish) LC ₅₀ : =0.056 mg/l 2 d (crustaceans) EC ₅₀ : =0.18 mg/l 2 d (crustaceans)

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

Substance name	Results of PBT and vPvB assessment
1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
Reaction mass of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). CAS No.: 55965-84-9	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recycle according to official regulations.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

Waste code packaging:

Remark:

Dispose of waste according to applicable legislation.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

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Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI / IATA-DGR)
14.1. UN number or ID number			
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.
14.2. UN proper shipping name			
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.
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. Maritime transport in bulk according to IMO instruments
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:

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

Maximum VOC content (g/L) of the product in a ready to use condition: 0,5

VOC product category: a

Type: Wb

VOC limit value: 30g/L

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.

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Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH071	Corrosive to the respiratory tract.
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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.