

BROUNS & CO

LINSEED OIL AND PAINT

Lime Stuff  01794 884294
Traditional breathable building & decorating products
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LINSEED OIL PAINT OUTDOOR (MANY COLOURS)

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006

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

1.1. Product identifier: Linseed Oil Paint Outdoor

Colours: Amsterdam Green, Arran, Barn Red, Blackout, Brodsworth Brown, Cambridge No 7, Cast Iron, Chatsworth Blue, Clotted Cream, Dark Iron Oxide Red, Echo, Fairburn, Golden Yellow, Graphite, Great White, Green Grey, Haddon Estate Grey, Highfield Green, Highfield Grey, Ice Blue, Iron Oxide Primer, Italian Umber, Leaf Green, Maastricht Blue, Manderley, Map Green, Medway PA, Moss, Mountain Blue, Old Lead, Olive, Pearl Grey, Project White, Quartz, Restoration White, Sand Yellow, Silver Grey, Warm Grey, Warwick's Bench, Whiteley.

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

Paint for outdoor use on buildings etc. Applied with brush, roller etc.

1.3. Details of the supplier of the safety data sheet:

Brouns & Co
Highfield
Selby Road
Leeds
LS25 2AG

1.4. Emergency telephone number:

NHS Non-emergency (England or Scotland): 111 or (Wales) 0845 4647. For USA 911.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Sensitizing liquid.
CLP (1272/2008): Skin Sens. 1;H317

2.2. Label elements:



WARNING

Contain: 4,5-Dichloro-2-octyl-2H-isothiazol-3-one H317: May cause an allergic skin reaction.
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing.
P501: Dispose of contents/container in accordance with applicable regulations.

2.2. Other hazards:

Rags soaked with the product may cause spontaneous combustion.
PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures: Water based mixture with linseed oil

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification	Note
50-<75	Triiron tetraoxide	1317-61-9	215-277-5	-	01-2119457646-28	None	1
50-<60	Graphite	7782-42-5	231-955-3	-	01-2119486977-12	None	1
15-<60	Diiron trioxide	1309-37-1	215-168-2	-	01-2119457614-35	None	1
< 0.1	4,5-Dichloro-2-octyl-2H-isothiazol-3-one	64359-81-5	264-843-8	-	-	Acute Tox 2;H330 Acute Tox 4;H302+H312 Skin Sens.1A;H317 Skin Corr. 1C;H314 Eye Dam. 1;H318 STOT SE 3;H335 Aquatic Acute 1;H400 (M=100)	-

Classification Note

1) The substance has an occupational exposure limit.

Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation:

Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact:

Remove all contaminated clothing. Wash skin with water and mild soap. In case of rash, wound, or other skin irritation: Seek medical advice.

Eye contact:

Flush with water or physiological salt water, holding eyelids open; remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion:

Rinse mouth and drink plenty of water. **Do not induce vomiting.** If vomiting occurs keep head down to avoid vomit in the lungs. Seek medical advice.

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

Skin sensitization with redness, itching, blisters and eczema.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Use carbon dioxide, dry chemical or foam.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. In case of fire, the substance may form hazardous decomposition products: Primarily oxides of carbon.

5.3. Advice for firefighters:

Wear self-contained breathing apparatus when generation of smoke is vigorous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use gloves of rubber when spill is wiped up – see section 8. Avoid further spreading. Ventilate area of spill.

6.2. Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Take up with absorbent material (e.g. general-purpose binder) and place in marked container for disposal. All contaminated rags, paper etc. may be subject to spontaneous combustion under certain conditions. Place all contaminated material in a metal container, which contains water, with a tight-fitting lid. Remove from premises immediately. Clean with water. Dispose of in accordance with local regulations or burn under controlled conditions. Further handling of spillage – see section 13.

6.4. Reference to other sections:

See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin, eyes and clothing. Provide sufficient ventilation. Wash contaminated skin immediately with water and mild soap. Contaminated clothes or absorbent material is kept under water until disposal or cleaning. Moisturisers prevents drying of the skin and may be used with great advantage after work.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed original container of metal. Keep in a dry and well-ventilated place. Store securely and out of reach of unauthorized personnel and separated from food, feed, drugs etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits (EH40/2005 with later amendments):

Substance	8-hour TWA	15-min STEL	Comments
Iron oxide, fume (as Fe)	5 mg/m ³	10 mg/m ³	-
Graphite (inhalable dust)	10 mg/m ³	-	-

DNEL/PNEC: No CSR

8.2. Exposure controls:

Appropriate engineering controls: Provide sufficient ventilation.

Personal protective equipment:

Inhalation: Normally not required when applied with brush or roller.

Skin: Wear protective gloves of nitrile rubber (> 0.3 mm) (EN 374). It has not been possible to find data for breakthrough time. In case of spill on the glove, it is recommended to change it after use.

Eyes: Wear tight fitting safety goggles (EN 166) when there is risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties continued:

Appearance:	Liquid with different colours
Odour:	Linseed oil
Odour threshold:	Not determined
pH (concentrate):	Not determined
Melting point / freezing point (oC):	Not determined
Initial boiling point and boiling range (oC):	Not determined
Decomposition temperature (oC):	Not determined
Flash point (oC):	App. 220 (for pure linseed oil)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not relevant (liquid)
Upper/lower flammability or explosive limits (vol-%):	Not determined
Vapour pressure (kPa, 20oC):	Not determined
Vapour density (air=1):	Not determined 1.3-2
Relative density (g/ml):	Insoluble in water
Solubility:	Not determined
Partition coefficient: n-octanol/water, Log Kow:	Not determined
Auto-ignition temperature (oC):	Not determined
Viscosity:	Not determined
Explosive properties: Oxidising properties:	Not determined

9.2. Other information: None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity: No available data.

10.2. Chemical stability: Stable under normal conditions (see section 7).

10.3. Possibility of hazardous reactions:

Warning: Combustible materials such as rags, paper or cloths soaked with the product may cause spontaneous combustion

10.4. Conditions to avoid: Avoid excessive heating.

10.5. Incompatible materials: May react with oxidizing materials.

10.6. Hazardous decomposition products:

In case of extensive heating, the mixture may form hazardous decomposition product such as oxides of carbon, short chain fatty acids, polymers and acrolein.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data	Test	Data Source
Acute toxicity:			
Inhalation	LC ₅₀ (rat, 4h) > 2000 mg/l (Graphite)	OECD 402	ECHA diss.
	LC ₅₀ (rat) = 0.26 mg/l/4h (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 403	Supplier
Dermal	LD ₅₀ (rabbit) > 652 mg/kg (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 402	Supplier
Oral	LD ₅₀ (rat) > 15 g/kg (Linseed oil)	No data	Supplier
	LD ₅₀ (rat) > 5000 mg/kg (Graphite)	OECD 423	ECHA diss.
	LD ₅₀ (rat) > 5000 mg/kg (Iron oxide)	No data	Supplier
	LD ₅₀ (rat) = 1636 mg/kg (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 401	Supplier
Corrosion/irritation:	Moderate skin irritation, man (Linseed oil)	Draize	RTECS
	No skin/eye irritation, rabbit (Graphite)	OECD 404/405	ECHA diss.
Sensitization:	No skin sensitisation, mouse (Graphite)	OECD 429	ECHA diss.
	Skin sensitization, guinea pig (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 406	Supplier
CMR:	No mutagenicity – negative result (Linseed oil)	No data	TOXNET
	No effect on fertility/offspring (Linseed oil)	No data	TOXNET
	No carcinogen effects in animals (Linseed oil)	No data	TOXNET
	No mutagenic effects, in vitro (Graphite)	OECD 473	ECHA diss.
	No reprotoxic effects, rat (Graphite)	OECD 422	ECHA diss.

Information on likely routes of exposure:

Symptoms:

Inhalation:	Slight irritation of the airways. Inhalation of larger amounts may induce discomfort.
Skin:	May cause irritation with redness by prolonged contact with skin.
Eyes:	May cause irritation with redness and pain.
Ingestion:	May cause irritation of the gastrointestinal tract and discomfort, nausea and diarrhea.
Chronic effects:	Frequent skin contact with 4,5-dichloro-2-octyl-2H-isothiazol-3-one may cause skin sensitisation with symptoms such as redness, itching, blisters and eczema.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data	Test	Data Source
Fish	LC ₅₀ (Danio rerio, 96h) > 100 mg/l (Graphite)	OECD 203 (FW)	ECHA diss.
	LC ₅₀ (Idus dorata, 96h) > 1000 mg/l (Iron oxide)	No data	Supplier
	LC ₅₀ (Fish, 96h) = 0.003 mg/l (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 203	Supplier
Daphnia	EC ₅₀ (Daphnia magna, 48h) > 100 mg/l (Graphite)	OECD 202 (FW)	ECHA diss.
	EC ₅₀ (Daphnia magna, 48h) = 0.005 mg/l (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	No data (FW)	Supplier
Algae	EC ₅₀ (Pseudokirchnerella subcapitata, 72h) > 100 mg/l (Graphite)	OECD 201 (FW)	ECHA diss.
	EC ₅₀ (Pseudokirchnerella subcapitata, 96h) = 0.077 mg/l (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	OECD 201 (FW)	Supplier
	EC ₅₀ (Algae, 120h) = 0.032 mg/l (4,5-Dichloro-2-octyl-2H-isothiazol-3-one)	No data	Supplier

12.2. Persistence and degradability:

Methods are unavailable for determining the biodegradability for inorganic substances such as pigments.

12.3. Bioaccumulative potential: 4,5-Dichloro-2-octyl-2H-isothiazol-3-one: Log Kow = 3.59

12.4. Mobility in soil: No relevant available data.

12.5. Results of PBT and vPvB assessment:

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6. Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The mixture is not considered as hazardous waste. Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-code:

08 01 12 (mixture itself) and 15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

SECTION 14: Transport information

Not dangerous goods according to ADR/RID.

14.1. UN-no.: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: None.

14.6. Special precautions for user: None.

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:

Special labelling:

VOC subcategory: A/d
VOC limit value (g/l): 300
VOC content (g/l): 0
Danish 1993-Code no.: 00-1

15.2. Chemical Safety Assessment: No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 3:

H302+H312: Harmful if swallowed or in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H330: Fatal if inhaled.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC₅₀ = Effect Concentration 50%
FW = Fresh Water
LC₅₀ = Lethal Concentration 50%
LD₅₀ = Lethal Dose 50%
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative

Literature:

ECHA diss. = European Chemical Agency Registration dossier
RTECS = Register of Toxic Effects of Chemical Substances.
TOXNET = Toxicology Data Network via Toxline database

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition: Not relevant

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