

A decorative graphic in the top left corner consisting of concentric, wavy lines in a golden-brown color, resembling the grain of wood.

# WOOD FINISHES DIRECT



Finish. Finished.

The following Safety Datasheet is provided by **Barrettine**

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For purchasing information visit:  
[Barrettine Log Cabin Treatment](#)

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Name : Log Cabin & Complete Decking Treatment - Clear  
Product code : LCDT005

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Consumer use, Professional use  
Industrial/Professional use spec : N/A  
Use of the substance/mixture : Wood treatment

**1.2.2. Uses advised against**

No additional information available

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

Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY

Tel: +44 (0) 1179 600060 Office hours only 8am–5pm Mon–Thurs. 8am–4.30pm Fri  
Fax: +44 (0) 1179 352437  
Email: sales@barrettine.co.uk

**1.4. Emergency telephone number**

Emergency number : +44 (0) 1270 502891 (Out of Office Hours Emergency Number)

Country	Organisation/Company	Address	Emergency number
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
UNITED KINGDOM	National Poisons Information Service (NHS Direct)	<a href="http://www.npis.org">http://www.npis.org</a>	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flam. Liq. 3 H226  
STOT SE 3 H336  
Asp. Tox. 1 H304

Full text of H-statements: see section 16

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Xn; R65  
R10  
R66

Full text of R-phrases: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics, Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene)

Hazard statements (CLP) :

H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H336 - May cause drowsiness or dizziness

Precautionary statements (CLP) :

P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P261 - Avoid breathing fume, vapours, mist, spray  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

EUH-statements :

EUH208 - Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate(55406-53-6). May produce an allergic reaction  
EUH066 - Repeated exposure may cause skin dryness or cracking

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC no) 919-857-5 (REACH-no) 01-2119463258-33-XXXX	50 - 80	R10 Xn; R65 R66
Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-48-9. (EC no) 918-481-9 (REACH-no) 01-2119457273-39-XXXX	1 - 5	Xn; R65
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene)	(CAS No) 64742-48-9. (EC no) 919-857-5 (REACH-no) 01-2119463258-33-XXXX	1 - 5	Xn; R65 R66 R10 R67
Paraffin, wax substance with national workplace exposure limit(s) (BE, DK, ET, FI, FR, GB, GR, IE, IT, PL, PT, RO)	(CAS No) 8002-74-2 (EC no) 232-315-6	1 - 5	Not classified
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	(CAS No) 55406-53-6 (EC no) 259-627-5 (EC index no) 259-627-5	0,1 - 1	Xn; R20/22 Xi; R41 Xi; R37 R43 N; R50
cobalt(II) 2-ethylhexanoate substance with national workplace exposure limit(s) (GB)	(CAS No) 136-52-7 (EC no) 205-250-6 (REACH-no) 01-2119524678-29-XXXX	< 0,1	Repr.Cat.3; R62 Xi; R36 N; R50/53 R43

Name	Product identifier	%	Classification according to Directive 67/548/EEC
2-ethyl hexanoic acid substance with national workplace exposure limit(s) (BE, ES, IE, IT, PT)	(CAS No) 149-57-5 (EC no) 205-743-6 (EC index no) 607-230-00-6	< 0,1	Repr.Cat.3; R63

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC no) 919-857-5 (REACH-no) 01-2119463258-33-XXXX	50 - 80	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-48-9. (EC no) 918-481-9 (REACH-no) 01-2119457273-39-XXXX	1 - 5	Asp. Tox. 1, H304
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene)	(CAS No) 64742-48-9. (EC no) 919-857-5 (REACH-no) 01-2119463258-33-XXXX	1 - 5	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Paraffin, wax substance with national workplace exposure limit(s) (BE, DK, ET, FI, FR, GB, GR, IE, IT, PL, PT, RO)	(CAS No) 8002-74-2 (EC no) 232-315-6	1 - 5	Not classified
3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	(CAS No) 55406-53-6 (EC no) 259-627-5 (EC index no) 259-627-5	0,1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
cobalt(II) 2-ethylhexanoate substance with national workplace exposure limit(s) (GB)	(CAS No) 136-52-7 (EC no) 205-250-6 (REACH-no) 01-2119524678-29-XXXX	< 0,1	Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 3, H412
2-ethyl hexanoic acid substance with national workplace exposure limit(s) (BE, ES, IE, IT, PT)	(CAS No) 149-57-5 (EC no) 205-743-6 (EC index no) 607-230-00-6	< 0,1	Repr. 2, H361d

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Repeated exposure may cause skin dryness or cracking.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.

### 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	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Avoid breathing fume, vapours.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if substance enters sewers or public waters.

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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

- See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing fume, Vapours.

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

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Flame proof, lighting, electrical equipment and ventilation equipment.
- Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat and ignition sources.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

- No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Paraffin, wax (8002-74-2)		
Belgium	Local name	Paraffine (cire de) (fumées)
Belgium	Limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Croatia	Local name	Parafinski vosak, dim
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Denmark	Local name	Paraffinrøg
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Estonia	Local name	Parafiin (aurud)
Estonia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

Paraffin, wax (8002-74-2)		
Finland	Local name	Parafiinihuurut
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
France	Local name	Paraffine (cire de), fumée
France	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Greece	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Greece	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Ireland	Local name	Paraffin wax, fume
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Poland	Local name	Parafina stała dymy
Poland	NDS (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Portugal	Local name	Parafina (cera), fumos
Portugal	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Romania	Local name	Parafina (fumuri)
Romania	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Romania	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
United Kingdom	Local name	Paraffin wax, fume
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Iceland	Local name	Parafinreykur
Iceland	OEL (8 hours ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Norway	Local name	Parafin (røyk)
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Switzerland	Local name	Paraffine, fumée
Switzerland	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Australia	Local name	Paraffin wax (fume)
Australia	TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - ACGIH	Local name	Paraffin wax fume
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA - ACGIH	Remark (ACGIH)	URT irr; nausea
2-ethyl hexanoic acid (149-57-5)		
Belgium	Local name	Acide 2-éthylhexanoïque (vapeur et aérosol)
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Ireland	Local name	Ethyl hexanoic acid
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Portugal	Local name	Ácido 2-etil-hexanoico
Portugal	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Spain	Local name	Acido 2-etilhexanoico
Spain	VLA-ED (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	Local name	2-Ethylhexanoic acid
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	Remark (ACGIH)	Teratogenic eff
cobalt(II) 2-ethylhexanoate (136-52-7)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9.)		
Poland	Local name	Benzyna do lakierów
Poland	NDS (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Switzerland	Local name	Naphta* lourde (pétrole), hydro-traité

#### Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9.)

Switzerland	VME (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	100 ppm
Switzerland	Remark (CH)	4x15*

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene) (64742-48-9.)

EU	IOELV TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> 8h
Poland	Local name	Benzyna do lakierów
Poland	NDS (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Switzerland	Local name	Naphta* lourde (pétrole), hydro-traité
Switzerland	VME (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	100 ppm
Switzerland	Remark (CH)	4x15*

### 8.2. Exposure controls

Appropriate engineering controls	: Provide adequate general and local exhaust ventilation.
Personal protective equipment	: Protective goggles. Gloves.
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended



Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light brown.
Odour	: slight. Hydrocarbon.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 150 - 200 °C 760 mmHg
Flash point	: 38 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 0,78 - 0,81
Relative density	: No data available
Solubility	: Insoluble in water.

Log Pow	: No data available
Viscosity, kinematic	: 1,24 cSt 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Paraffin, wax (8002-74-2)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 3600 mg/kg (Rabbit)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LD50 oral rat	> 15000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate (55406-53-6)	
LD50 oral rat	1470 mg/kg (Rat; Literature study)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Literature study)

2-ethyl hexanoic acid (149-57-5)	
LD50 oral rat	2043 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

cobalt(II) 2-ethylhexanoate (136-52-7)	
LD50 oral rat	3129 mg/kg bodyweight (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Weight of evidence; OECD 402: Acute Dermal Toxicity)

Skin corrosion/irritation	: Not classified Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met



Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: May be fatal if swallowed and enters airways.

#### Decking Treatment - Clear

Viscosity, kinematic	1,24 mm <sup>2</sup> /s 40°C
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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Paraffin, wax (8002-74-2)

LC50 fish 1	> 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)

#### 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate (55406-53-6)

LC50 fish 1	0,23 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 1	0,16 mg/l (48 h; Daphnia magna)
LC50 fish 2	0,067 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
Threshold limit algae 1	0,022 mg/l (72 h; Scenedesmus subspicatus)

#### 2-ethyl hexanoic acid (149-57-5)

LC50 fish 1	180 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Nominal concentration)
EC50 Daphnia 1	85,4 mg/l (48 h; Daphnia magna; Nominal concentration)
Threshold limit algae 1	61 mg/l (72 h; Scenedesmus subspicatus)
Threshold limit algae 2	49,3 mg/l (72 h; Desmodesmus subspicatus; Growth rate)

#### cobalt(II) 2-ethylhexanoate (136-52-7)

LC50 fish 1	54,1 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	2618 µg/l (48 h)
Threshold limit algae 1	24,1 µg/l (7 days)
Threshold limit algae 2	90,1 µg/l (7 days; Lemna minor; Growth rate)

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene) (64742-48-9.)

LC50 fish 1	> 1000 mg/l (Pisces)
EC50 Daphnia 1	> 1000 mg/l (Daphnia magna)
LC50 fish 2	> 100 mg/l (Pisces)
EC50 Daphnia 2	> 100 mg/l (Crustacea)
Threshold limit algae 1	> 1000 mg/l (Algae)
Threshold limit algae 2	> 100 mg/l (Algae)

### 12.2. Persistence and degradability

#### Decking Treatment - Clear

Persistence and degradability	Not established.
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#### Paraffin, wax (8002-74-2)

Persistence and degradability	Inherently biodegradable. Biodegradable in soil.
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#### 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate (55406-53-6)

Persistence and degradability	Readily biodegradable in water. No (test)data available on mobility of the substance.
Chemical oxygen demand (COD)	1,15 g O <sub>2</sub> /g substance

2-ethyl hexanoic acid (149-57-5)	
Persistence and degradability	Readily biodegradable in water. Inherently biodegradable. Biodegradable in soil. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	1,2 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2,113 - 2,24 g O <sub>2</sub> /g substance

cobalt(II) 2-ethylhexanoate (136-52-7)	
Persistence and degradability	Biodegradability in water: no data available.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene) (64742-48-9.)	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available. Adsorbs into the soil. Low potential for Mobility in soil. Photooxidation in the air.

### 12.3. Bioaccumulative potential

Decking Treatment - Clear	
Bioaccumulative potential	Not established.

Paraffin, wax (8002-74-2)	
Log Pow	> 6 (Calculated)

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate (55406-53-6)	
BCF fish 1	3,3 - 4,5 (Cyprinus carpio)
Log Pow	2,81 (Literature)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).

2-ethyl hexanoic acid (149-57-5)	
Log Pow	2,64 (Experimental value; 2,7; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

cobalt(II) 2-ethylhexanoate (136-52-7)	
Bioaccumulative potential	Bioaccumulation: No data available.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene) (64742-48-9.)	
Bioaccumulative potential	bioaccumulable.

### 12.4. Mobility in soil

Paraffin, wax (8002-74-2)	
Surface tension	0,031 N/m (54 °C)

2-ethyl hexanoic acid (149-57-5)	
Surface tension	0,0286 N/m (20 °C; 0.0274 N/m; 40 °C)

cobalt(II) 2-ethylhexanoate (136-52-7)	
Surface tension	0,064 N/m (20 °C; 1 g/l)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (contains less than 0,01 % w/w benzene) (64742-48-9.)	
Surface tension	0,026 N/m (20 °C)

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed waste centre in accordance with local/regional/national/international regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.
European List of Waste (LoW) code	: 03 02 05* - other wood preservatives containing dangerous substances

#### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

##### 14.1. UN number

UN-No. (ADR)	: 1268
UN-No. (IMDG)	: 1268
UN-No. (IATA)	: 1268
UN-No. (ADN)	: 1268
UN-No. (RID)	: 1268

##### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: PETROLEUM DISTILLATES, N.O.S. / PETROLEUM PRODUCTS, N.O.S.
Proper Shipping Name (IMDG)	: PETROLEUM PRODUCTS, N.O.S.
Proper Shipping Name (IATA)	: Petroleum products, n.o.s.
Proper Shipping Name (ADN)	: PETROLEUM PRODUCTS, N.O.S.
Proper Shipping Name (RID)	: PETROLEUM PRODUCTS, N.O.S.
Transport document description (ADR)	: UN 1268 PETROLEUM DISTILLATES, N.O.S. / PETROLEUM PRODUCTS, N.O.S. (CONTAINS Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics), 3, III, (D/E)
Transport document description (IMDG)	: UN 1268 PETROLEUM PRODUCTS, N.O.S., 3, III

##### 14.3. Transport hazard class(es)

###### ADR

Transport hazard class(es) (ADR)	: 3
Danger labels (ADR)	: 3



###### IMDG

Transport hazard class(es) (IMDG)	: 3
Danger labels (IMDG)	: 3



###### IATA

Transport hazard class(es) (IATA)	: 3
Hazard labels (IATA)	: 3



###### ADN

Transport hazard class(es) (ADN)	: 3
Danger labels (ADN)	: 3



#### RID

Transport hazard class(es) (RID) : 3  
 Danger labels (RID) : 3



#### 14.4. Packing group

Packing group (ADR) : III  
 Packing group (IMDG) : III  
 Packing group (IATA) : III  
 Packing group (ADN) : III  
 Packing group (RID) : III

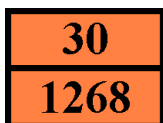
#### 14.5. Environmental hazards

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Classification code (ADR) : F1  
 Special provisions (ADR) : 363  
 Limited quantities (ADR) : 5I  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Mixed packing provisions (ADR) : MP19  
 Portable tank and bulk container instructions (ADR) : T4  
 Portable tank and bulk container special provisions (ADR) : TP1, TP29  
 Tank code (ADR) : LGBF  
 Vehicle for tank carriage : FL  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V12  
 Special provisions for carriage - Operation (ADR) : S2  
 Hazard identification number (Kemler No.) : 30  
 Orange plates :



Tunnel restriction code (ADR) : D/E  
 EAC code : 3YE

##### 14.6.2. Transport by sea

Special provisions (IMDG) : 223, 363, 955  
 Limited quantities (IMDG) : 5 L

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Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

**14.6.3. Air transport**

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

**14.6.4. Inland waterway transport**

Classification code (ADN)	: F1
Special provisions (ADN)	: 363
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Carriage prohibited (ADN)	: No
Not subject to ADN	: No

**14.6.5. Rail transport**

Classification code (RID)	: F1
Special provisions (RID)	: 363
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30
Carriage prohibited (RID)	: No

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<p>3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008</p>	<p>Decking Treatment - Clear - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics - Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics - 2-ethyl hexanoic acid - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (contains less than 0,01 % w/w benzene) - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</p>
<p>3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F</p>	<p>Decking Treatment - Clear - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (contains less than 0,01 % w/w benzene)</p>
<p>3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</p>	<p>Decking Treatment - Clear - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics - 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate - Naphtha (Petroleum), Hydrotreated Heavy, Low Boiling Point Hydrogen treated Naphtha, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics - cobalt(II) 2-ethylhexanoate - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (contains less than 0,01 % w/w benzene) - 1-acetyl-4-(3-dodecyl-2,5-dioxo-1-pyrrolidinyl)-2,2,6,6-tetramethylpiperidine - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</p>
<p>3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</p>	<p>3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate - cobalt(II) 2-ethylhexanoate - 1-acetyl-4-(3-dodecyl-2,5-dioxo-1-pyrrolidinyl)-2,2,6,6-tetramethylpiperidine - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</p>
<p>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.</p>	<p>Decking Treatment - Clear - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (contains less than 0,01 % w/w benzene)</p>

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### Germany

Water hazard class (WGK)

: 3 - severe hazard to waters

WGK remark

: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H361f	Suspected of damaging fertility
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R20/22	Harmful by inhalation and if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful



# Log Cabin & Complete Decking Treatment

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*