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[Barrettine Garden Furniture Oil](#)

Garden Furniture Oil

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Barrettine

Date of issue: 30/03/2015

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Version: 1.2

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

1.1. Product identifier

Product form : Mixture
Name : Garden Furniture Oil
Product code : OIGFGEN

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 : Professional use, Consumer use
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 600 060 (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)	http://www.npis.org	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

Full text of H-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)

: Warning

Hazardous ingredients

: naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP)

: H226 - Flammable liquid and vapour
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
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 phrases

: 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	< 80	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
sunflower oil substance with national workplace exposure limit(s) (BE)	(CAS No) 8001-21-6 (EC no) 232-273-9	< 15	Not classified
naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha	(CAS No) 64742-82-1. (EC no) 265-185-4 (EC index no) 265-185-4 (REACH-no) 01-2119458049-33	< 1	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
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	Not classified

Full text of R- and H-phrases: 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. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
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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.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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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.
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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.
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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 ³)	2 mg/m ³
Croatia	Local name	Parafinski vosak, dim
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	2 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	6 mg/m ³
Denmark	Local name	Paraffinrøg
Denmark	Grænseværdie (langvarig) (mg/m ³)	2 mg/m ³
Estonia	Local name	Parafiin (aurud)
Estonia	OEL TWA (mg/m ³)	2 mg/m ³
Finland	Local name	Parafiinihuurut
Finland	HTP-arvo (8h) (mg/m ³)	1 mg/m ³
France	Local name	Paraffine (cire de), fumée
France	VME (mg/m ³)	2 mg/m ³
Greece	OEL TWA (mg/m ³)	2 mg/m ³
Greece	OEL STEL (mg/m ³)	6 mg/m ³
Ireland	Local name	Paraffin wax, fume
Ireland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	6 mg/m ³
Poland	Local name	Parafina stała dymy
Poland	NDS (mg/m ³)	2 mg/m ³
Portugal	Local name	Parafina (cera), fumos
Portugal	OEL TWA (mg/m ³)	2 mg/m ³
Romania	Local name	Parafina (fumuri)
Romania	OEL TWA (mg/m ³)	2 mg/m ³
Romania	OEL STEL (mg/m ³)	6 mg/m ³
United Kingdom	Local name	Paraffin wax, fume
United Kingdom	WEL TWA (mg/m ³)	2 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	6 mg/m ³
Iceland	Local name	Paraffinreykur

Iceland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³
Norway	Local name	Parafin (røyk)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	2 mg/m ³
Switzerland	Local name	Paraffine, fumée
Switzerland	VME (mg/m ³)	2 mg/m ³
Australia	Local name	Paraffin wax (fume)
Australia	TWA (mg/m ³)	2 mg/m ³
USA - ACGIH	Local name	Paraffin wax fume
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA - ACGIH	Remark (ACGIH)	URT irr; nausea

sunflower oil (8001-21-6)

Belgium	Limit value (mg/m ³)	10 mg/m ³
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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	: Brown.
Odour	: 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	: 120 - 200 °C
Flash point	: 44 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: 3 mbar
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,845 g/cm ³

Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
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**

The product is stable at normal handling and storage conditions.

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

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	: Not classified, Based on available data, the classification criteria are not met
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)

12.2. Persistence and degradability**Garden Furniture Oil**

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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sunflower oil (8001-21-6)

Persistence and degradability	Biodegradable in water.
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12.3. Bioaccumulative potential**Garden Furniture Oil**

Bioaccumulative potential	Not established.
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Paraffin, wax (8002-74-2)

Log Pow	> 6 (Calculated)
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12.4. Mobility in soil**Paraffin, wax (8002-74-2)**

Surface tension	0,031 N/m (54 °C)
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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.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.
European List of Waste (LoW) code : 20 01 26* - oil and fat other than those mentioned in 20 01 25

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 1263
UN-No. (IMDG) : 1263
UN-No.(IATA) : 1263
UN-No.(ADN) : 1263
UN-No. (RID) : 1263

14.2. UN proper shipping name

Proper Shipping Name (ADR) : PAINT-RELATED MATERIALS
Proper Shipping Name (IMDG) : PAINT-RELATED MATERIALS
Proper Shipping Name (IATA) : Paint-related materials
Proper Shipping Name (ADN) : PAINT-RELATED MATERIALS
Proper Shipping Name (RID) : PAINT-RELATED MATERIALS
Transport document description (ADR) : UN 1263 PAINT-RELATED MATERIALS. (CONTAINS ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics), 3, III, (D/E)
Transport document description (IMDG) : UN 1263 PAINT-RELATED MATERIALS., 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

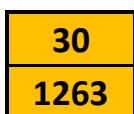
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user**14.6.1. Overland transport**

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 650
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC02, 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) : E
EAC code : •3YE

14.6.2. Transport by sea

Special provisions (IMDG) : 163, 367, 650
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
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) : 367
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 367
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) : 163, 367, 650
 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) : 163, 367, 650
 Limited quantities (RID) : 5L
 Excepted quantities (RID) : E1
 Packing instructions (RID) : P001, IBC02, 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:

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	Garden Furniture Oil - Hydrocarbons, C9-C11, nalkanes, isoalkanes, cyclics, <2% aromatics
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	Garden Furniture Oil - naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
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	naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
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	naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha
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.	Garden Furniture Oil - naphtha (petroleum),hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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-phrases:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

SDS EU_NSC

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.