SAFETY DATA SHEET

DANISH OIL

Compilation date: 16/03/2015

Revision date: 11/04/2019

Revision No: 3

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

1.1. Product identifier

Product name: DANISH OIL

Product code: DAA0050

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

Use of substance / mixture: * Professional Use. Consumer Use. Wood treatment. Unique Formula Identifier (UFI) in accordance with Commision Regulation (EU) No 2017/542. UFI: 1220-1075-Y00F-9VPQ.

1.3. Details of the supplier of the safety data sheet

Company name: Curust Industries Ltd
E12/13, Southern Cross Business Park,
Bray,
Co. Wicklow

Tel: +353 1 2760800

Fax: +353 1 2760799

Email: info@curust.ie

1.4. Emergency telephone number

Emergency tel: +353 1 2760800 (Office hours only 8.30am - 5pm Mon- Fri)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; -: EUH066

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

[cont...]

2.2. Label elements

Label elements:

Hazard statements: EUH066: Repeated exposure may cause skin dryness or cracking.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard



Signal words: Danger

Precautionary statements: * P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing fumes, 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 to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call POISON CENTER/doctor if you feel unwell.
P403+P235: Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

*** Hazardous ingredients:**

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS - REACH registered number(s): 01-2119463258-33-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent

[cont...]

919-857-5	-	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	50-70%

2-(2-BUTOXYETHOXY)ETHANOL - REACH registered number(s): 01-2119475104-44-XXXX

203-961-6	112-34-5	-	Eye Irrit. 2: H319	0.3-1%

COBALT BIS(2-ETHYLHEXANOATE) - REACH registered number(s): 01-2119524678-29-XXXX

205-250-6	136-52-7	-	Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 2: H361f; Skin Sens. 1A: H317	<0.3%

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT - REACH registered number(s): 01-2119979088-21-XXXX

245-018-1	22464-99-9	-	Repr. 2: H361	<0.3%

Contains: * HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS; 2-(2-BUTOXYETHOXY)ETHANOL; COBALT BIS(2-ETHYLHEXANOATE); 2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: If adverse effects are felt, remove patient to fresh air. If symptoms persist seek medical advice

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: May be fatal if swallowed and enters airways.

Inhalation: Drowsiness or mental confusion may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Treat Symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

[cont...]

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Contain the spread of the firefighting media. Do not allow run-off from firefighting to enter drains or water courses.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

[cont...]

Hazardous ingredients:

COBALT BIS(2-ETHYLHEXANOATE)

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.1 mg/m3	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	208 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	871 mg/m3/8H	Workers	Systemic
DNEL	Dermal (effects on fertility)	125 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	185 mg/m3/24H	Consumers	Systemic
DNEL	Oral	125 mg/kg bw/day	Consumers	Systemic

2-(2-BUTOXYETHOXY)ETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	14 ppm	Workers	Local
DNEL	Dermal (repeated dose)	20 mg/kg/bw/day	Workers	Local
DNEL	Inhalation (repeated dose)	10 ppm	Workers	Systemic
DNEL	Inhalation (repeated dose)	10 ppm	Workers	Local
DNEL	Inhalation	7.5 mg/m3	General Population	Local
DNEL	Dermal (repeated dose)	10 mg/kg/bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	1.3 mg/kg/bw/day	General Population	Systemic
DNEL	Inhalation (repeated dose)	5 mg/m3	General Population	Local
PNEC	Fresh water	1 mg/l	-	-
PNEC	Marine water	0.1 mg/l	-	-
PNEC	Fresh water sediments	4 mg/l	-	-
PNEC	Marine sediments	0.4 mg/l	-	-
PNEC	Microorganisms in sewage treatment	200 mg/l	-	-
PNEC	Soil (agricultural)	0.4 mg/l	-	-

COBALT BIS(2-ETHYLHEXANOATE)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	235 µg/m3	Workers	Systemic
DNEL	Inhalation (repeated dose)	37 µg/m3	General Population	Systemic
DNEL	Oral (repeated dose)	27.6 µg/kg bw/day	General Population	Systemic

[cont...]

PNEC	Fresh water	600 ng/l	-	-
PNEC	Fresh water sediments	9.5 mg/kg	-	-
PNEC	Marine water	2.36 µg/l	-	-
PNEC	Marine sediments	9.5 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	370 µg/l	-	-
PNEC	Soil (agricultural)	10.9 mg/kg	-	-

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	32 mg/m3	Workers	Systemic
DNEL	Inhalation (repeated dose)	8 mg/m3	General Population	Systemic
DNEL	Dermal (repeated dose)	6.49 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	3.25 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	2.5 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	360 µg/l	-	-
PNEC	Fresh water sediments	6.37 mg/kg	-	-
PNEC	Marine water	36 µg/l	-	-
PNEC	Marine sediments	637 µg/kg	-	-
PNEC	Microorganisms in sewage treatment	71.7 mg/l	-	-
PNEC	Soil (agricultural)	1.06 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Safety goggles.

Skin protection: Protective clothing.

Environmental: Avoid release to the environment

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale brown

Odour: Hydrocarbons

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Insoluble

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

[cont...]

upper: No data available.

Flash point°C: 41

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: >200

Vapour pressure: No data available.

Relative density: 0.85

pH: No data available.

VOC g/l: >50%

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Flames. Heat. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

GASES	RBT	24H LD50	> 5000	mg/kg
ORAL	RAT	LD50	> 5000	mg/kg
VAPOURS	RAT	8H LC50	> 5000	mg/m3

2-(2-BUTOXYETHOXY)ETHANOL

DERMAL	RBT	LD50	2700	mg/kg
ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

[cont...]

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

DERMAL	RAT	LD50	2000	mg/kg
ORAL	RAT	LD50	2043-5000	mg/kg
VAPOURS	RAT	8H LC50	110	mg/m3

Relevant hazards for product:

Hazard	Route	Basis
STOT-single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: May be fatal if swallowed and enters airways.

Inhalation: Drowsiness or mental confusion may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

ALGAE	72H EbL50	>1000	mg/l
ALGAE	72H ErL50	>1000	mg/l
Daphnia magna	48H EL50	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LL50	>1000	mg/l

2-(2-BUTOXYETHOXY)ETHANOL

ALGAE	96H EC50	100	mg/l
BLUEGILL (Lepomis macrochirus)	96H LC50	1300	mg/l
Daphnia magna	48H EC50	100	mg/l

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

ALGAE	96H EC10	32	mg/l
DAPHNIA	48H EC50	62.5	mg/l
FISH	96H LC50	100	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

[cont...]

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Avoid release to the environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT RELATED MATERIAL
(HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS; POLYOLEFIN AMIDE ALKENAMIDE SULFIDE)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

[cont...]

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility or the unborn child.

H361f: Suspected of damaging fertility.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.