



SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 1

Compilation date: 19/04/2018

Revision No: 1

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

1.1. Product identifier

Product name: KNOCK OUT BLACK DISINFECTANT

Product code: KODBGEN

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

Use of substance / mixture: Consumer Use. Industrial Use. Professional Use. Disinfectant.

1.3. Details of the supplier of the safety data sheet

Company name: J.V. Barrett & Co Ltd

St Ivel way

Warmley

Bristol

BS30 8TY

United Kingdom

Tel: 01179600060

Fax: 01179352437

Email: sales@barrettine.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)

+44 (0) 1270 502891 (Out of hours emergency number)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Skin Corr. 1A: H314

Most important adverse effects: Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

GHS09: Environmental

[cont...]

SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 2



Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.
P405: Store locked up.
P501: Dispose of contents/container to local and national regulations.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES - REACH registered number(s): 01-2119983287-23-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
270-325-2	68424-85-1	-	Acute Tox. 4: H302+312; Skin Corr. 1A: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1-10%

CRESOL {MIXTURE} - REACH registered number(s): 01-2119971802-33-XXXX

215-293-2	1319-77-3	-	Acute Tox. 3: H311; Acute Tox. 3: H301; Skin Corr. 1B: H314	0.1-1%
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SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 3

METHANOL - REACH registered number(s): 01-2119433307-44-XXXX

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	0.1-1%
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CINNAMALDEHYDE - REACH registered number(s): 01-2119935242-45-XXXX

203-213-9	104-55-2	-	Acute Tox. 4: H312; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317	0.1-1%
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EUGENOL - REACH registered number(s): 01-2119971802-33-XXXX

202-589-1	97-53-0	-	Eye Irrit. 2: H319; Skin Sens. 1B: H317	0.1-1%
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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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
- Eye contact:** Corneal burns may occur. May cause permanent damage.
- Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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: Eye bathing equipment should be available on the premises.

[cont...]

SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 4

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details.

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. Wash the spillage site with large amounts of water. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

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SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

CRESOL {MIXTURE}

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	22 mg/m ³	-	-	-

METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
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DNEL/PNEC Values

Hazardous ingredients:

CRESOL {MIXTURE}

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3.5 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	900 µg/m ³	Workers	Local
DNEL	Inhalation	900 µg/m ³	Workers	Local
PNEC	Fresh water	100 µg/l	-	-
PNEC	Fresh water sediments	328.83 µg/l	-	-
PNEC	Marine water	3 µg/l	-	-
PNEC	Marine sediments	9.83 µg/kg	-	-
PNEC	Soil (agricultural)	57.32 µg/kg	-	-

METHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	260 mg/m ³	Workers	Systemic
DNEL	Inhalation	260 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	260 mg/m ³	Workers	Local
DNEL	Inhalation	260 mg/m ³	Workers	Local
DNEL	Inhalation (repeated dose)	50 mg/m ³	General Population	Systemic
DNEL	Inhalation	50 mg/m ³	General Population	Systemic
DNEL	Inhalation (repeated dose)	50 mg/m ³	General Population	Local
DNEL	Inhalation	50 mg/m ³	General Population	Local
DNEL	Dermal (repeated dose)	40 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	40 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	8 mg/kg bw/day	General Population	Local

SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 6

DNEL	Dermal	8 mg/kg bw/day	General Population	Local
DNEL	Oral (repeated dose)	8 mg/kg bw/day	General Population	Systemic
DNEL	Oral	8 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	20.8 mg/l	-	-
PNEC	Fresh water sediments	77 mg/kg	-	-
PNEC	Marine water	2.08 mg/l	-	-
PNEC	Marine sediments	7.7 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	100 mg/l	-	-
PNEC	Soil (agricultural)	100 mg/kg	-	-

CINNAMALDEHYDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	2.204 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	543 µg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	2.5 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	625 µg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	1.37 mg/kg bw/day	General Population	Systemic

EUGENOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	21.2 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	5.22 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	6 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	3 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	3 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	1.13 µg/l	-	-
PNEC	Fresh water sediments	81 µg/kg	-	-
PNEC	Marine water	113 ng/l	-	-
PNEC	Marine sediments	8.1 µg/kg	-	-
PNEC	Soil (agricultural)	15.5 µg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Black

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SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 7

Odour: Strong

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Soluble

Viscosity: >1000

Viscosity test method: Flow time in seconds in a 3 mm ISO cup (ISO 2431)

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

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

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: No data available.

pH: 6-7

VOC g/l: No data available.

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.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: No data available on this product.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

CRESOL {MIXTURE}

ORL	MUS	LD50	760	mg/kg
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SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 8

ORL	RAT	LD50	1454	mg/kg
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METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

EUGENOL

ORAL	RAT	LD50	2000	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

CRESOL {MIXTURE}

ALGAE	48H EC50	7.8-21	mg/l
DAPHNIA	48H EC50	7.7	mg/l
FISH	96H EC50	5	mg/l
FISH	96H LC50	4.4-57.5	mg/l

METHANOL

BLUEGILL (<i>Lepomis macrochirus</i>)	96H LC50	15400	mg/l
Daphnia magna	48H EC50	> 10000	mg/l
Salmo gairdneri	96H LC50	10800	mg/l

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SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 9

EUGENOL

ALGAE	72H EC50	36	mg/l
DAPHNIA	48H EC50	1.13	mg/l
FISH	96H LC50	13	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

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: Negligible ecotoxicity.

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: UN1760

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, N.O.S.
(QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL,
CHLORIDES; CRESOL {MIXTURE})

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

[cont...]

SAFETY DATA SHEET

KNOCK OUT BLACK DISINFECTANT

Page: 10

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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: This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H302+312: Harmful if swallowed or in contact with skin.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic 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.