

SAFETY DATA SHEET

KNOCKOUT MOULD AND MILDEW CLEANER

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Revision No: 2

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

1.1. Product identifier

Product name: KNOCKOUT MOULD AND MILDEW CLEANER

Product code: KOMMGEN

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

Use of substance / mixture: For use only as a surface biocide. Consumer Use. Professional Use. Suitable for the control of mould, algae and fungi for decking, patios and other hard surfaces.
Advised against any other use than those identified. HSE 9798

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: Skin Irrit. 2: H315; Eye Irrit. 2: H319

Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H319: Causes serious eye irritation.

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Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P102: Keep out of reach of children.
 P264: Wash hands thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.

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:

BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES - REACH registered number(s): 01-2119970550-39-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
939-350-2	-	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	1-10%

ALCOHOLS, C9-11 ETHOXYLATED - REACH registered number(s): 01-2119980051-45-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
614-482-0	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

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. Get medical attention promptly if symptoms occur after washing.

Eye contact: Bathe the eye with running water for 15 minutes. Get medical attention promptly if symptoms occur after washing.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Get medical attention if you feel unwell.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

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

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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: Foam. Dry chemical powder. Carbon dioxide. Water spray. Sand.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: 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. 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: 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.

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.

6.4. Reference to other sections

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

Section 7: Handling and storage

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7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. 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.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3.96 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	1.64 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	5.7 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	3.4 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	3.4 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	900 ng/l	-	-
PNEC	Fresh water sediments	12.27 mg/kg	-	-
PNEC	Marine water	960 ng/l	-	-
PNEC	Marine sediments	13.09 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	400 µg/l	-	-
PNEC	Soil (agricultural)	7 mg/kg	-	-

ALCOHOLS, C9-11 ETHOXYLATED

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	294 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	87 mg/m ³	General Population	Systemic
DNEL	Dermal (repeated dose)	2080 mg/kg bw/day	Workers	Systemic
DNEL	Dermal (repeated dose)	1250 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	25 mg/kg bw/day	General Population	Systemic

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PNEC	Fresh water	103.79 µg/l	-	-
PNEC	Marine water	103.79 µg/l	-	-
PNEC	Fresh water sediments	13.7 mg/kg	-	-
PNEC	Marine sediments	13.7 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	1.4 mg/l	-	-
PNEC	Soil (agricultural)	1 mg/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: Protective gloves.

Eye protection: Tightly fitting 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: Clear

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Soluble

Viscosity: No data available.

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: >60

Autoflammability°C: No data available.

Relative density: No data available.

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: No data available.

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

Vapour pressure: No data available.

pH: 10

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.

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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. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid: 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:

BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

DERMAL	RBT	LD50	3412.5	mg/kg
ORAL	RAT	LD50	344-795	mg/kg
VAPOURS	RAT	4H LC50	220-280	mg/m3

ALCOHOLS, C9-11 ETHOXYLATED

DERMAL	RAT	LD50	2000	mg/kg
ORAL	RAT	LD50	3488-4600	mg/kg
VAPOURS	RAT	4H LC50	1.6	mg/l

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: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 12: Ecological information

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12.1. Toxicity

Hazardous ingredients:

BENZYL-C12-14-ALKYLDIMETHYLAMMONIUM CHLORIDES

ALGAE	96H ErC50	10-30	µg/l
DAPHNIA	48H EC50	16	µg/l
FISH	96H LC50	515-1700	µg/l

ALCOHOLS, C9-11 ETHOXYLATED

ALGAE	96H EC50	1.4	mg/l
DAPHNIA	48H EC50	2.5	mg/l
FISH	96H LC50	5-7	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

12.4. Mobility in soil

Mobility: Not established.

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.

Waste code number: 20 01 29

Disposal of packaging: Dispose of in accordance with Local Authority requirements.

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

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: The surfactant(s) contained in this preparation complies (comply) with the

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biodegradability criteria as laid down Regulation (EC) No. 648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities
of the Member States and will be made available to them, at their direct request.

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: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

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.