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Barrettine End Grain Preserver

SAFETY DATA SHEET

END CUT WOOD PRESERVER CLEAR

Compilation date: 20/03/2019

Revision No: 1

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

1.1. Product identifier

Product name: END CUT WOOD PRESERVER CLEAR

Product code: CECLGEN

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

Use of substance / mixture: Unique Formula Identifier (UFI) in accordance with Commision Regulation (EU) No 2017/542. UFI: 1Q10-00FK-R00G-NHCF. Wood Preservative for Amateur/Professional/Industrial use against wood rotting fungi, wood staining fungi and wood destroying insects on all outside wood which is out of direct ground contact and/or surface water. HSE 10007. PCS 98437.

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 1: H410; Asp. Tox. 1: H304; Aquatic Acute 1: H400; -: EUH208; -: EUH066

Most important adverse effects: May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects. Contains 3-iodo-2-propynyl butylcarbamate and tebuconazole. May produce an allergic reaction. Repeated exposure may cause skin dryness or cracking.

[cont...]

2.2. Label elements

Label elements:

Hazard statements: H304: May be fatal if swallowed and enters airways.
H410: Very toxic to aquatic life with long lasting effects.
EUH208: Contains 3-iodo-2-propynyl butylcarbamate and tebuconazole. May produce an allergic reaction.
EUH066: Repeated exposure may cause skin dryness or cracking.

Hazard pictograms: GHS08: Health hazard
GHS09: Environmental

Signal words: Danger

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P273: Avoid release to the environment.
P280: Wear eye protection, protective clothing, protective gloves.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or physician.
P331: Do NOT induce vomiting.
P391: Collect spillage.
P405: Store locked up.
P501: Dispose of contents/container to in accordance with local, regional, national and international regulation.

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:

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS - REACH registered number(s): 01-2119457273-39-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
918-481-9	-	-	Asp. Tox. 1: H304; -: 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	1-10%

[cont...]

3-IODO-2-PROPYNYL BUTYLCARBAMATE - REACH registered number(s): 01-2120762115-60-XXXX

259-627-5	55406-53-6	-	Acute Tox. 3: H331; Acute Tox. 4: H302; STOT RE 1: H372; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	0.3-1%

TEBUCONAZOLE; 1-(4-CHLOROPHENYL)-4,4-DIMETHYL-3-(1,2,4-TRIAZOL-1-YLMETHYL)PENTAN-3-OL

403-640-2	107534-96-3	-	Repr. 2: H361d; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	0.3-1%

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: Check for and remove any contact lenses. Rinse eyes with copious amounts of water for at least 15 minutes. If irritation occurs seek medical advice

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Aspiration hazard if swallowed. Can enter lungs and cause damage. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Get medical attention if adverse health effects persist or are severe. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

Skin contact: There may be irritation and redness at the site of contact. Repeated exposure may cause skin dryness or cracking.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May be fatal if swallowed and enters airways.

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

[cont...]

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. Water fog. Dry chemical powder. Foam. Do not use high pressure water jet as this may spread burning material.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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. Eliminate all sources of ignition. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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. If spillage enters rivers or watercourses inform the Environment Agency.

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. Contaminated absorbant material may pose the same hazard as spilt product.

6.4. Reference to other sections

Reference to other sections: Refer to Section 1 of SDS. Refer to section 8 of SDS. Refer to section 13 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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

[cont...]

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store between 0 to 30 oC. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed.

Suitable packaging: Do not store in unlabelled containers.

7.3. Specific end use(s)

Specific end use(s): FOR USE AS A WOOD PRESERVER ONLY.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m3	101.2 mg/m3	-	-

DNEL/PNEC Values

Hazardous ingredients:

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	-	-

[cont...]

3-IODO-2-PROPYNYL BUTYLCARBAMATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	70 µg/m3	Workers	Systemic
DNEL	Inhalation (repeated dose)	23 µg/m3	Workers	Systemic
DNEL	Inhalation	1.16 mg/m3	Workers	Local
DNEL	Inhalation (repeated dose)	1.16 mg/m3	Workers	Local
DNEL	Dermal (repeated dose)	2 mg/kg bw/day	Workers	Systemic
PNEC	Fresh water	500 ng/l	-	-
PNEC	Fresh water sediments	17 µg/kg	-	-
PNEC	Marine water	46 ng/l	-	-
PNEC	Marine sediments	1.6 µg/kg	-	-
PNEC	Microorganisms in sewage treatment	440 µg/l	-	-
PNEC	Soil (agricultural)	5 µg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. If ventilation is insufficient suitable respiratory protection must be provided.

Hand protection: Breakthrough time of the glove material < 1 hour. Impermeable gloves. Butyl gloves. Rubber gloves. PVC gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: Avoid release to the environment Prevent from entering in public sewers or the immediate environment. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Immiscible with water

Also soluble in: Most organic solvents.

Viscosity: 7.6 mPas

Kinematic viscosity: 0.9 cm2/s

Viscosity test method: Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)

Boiling point/range°C: No data available. **Melting point/range°C:** Not applicable.

Flammability limits %: lower: No data available.

[cont...]

upper: No data available.

Flash point°C: 64 cc

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

Autoflammability°C: 225

Vapour pressure: No data available.

Relative density: 0.86

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.

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. Heat. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: No additional information available.

10.6. Hazardous decomposition products

Haz. decomp. products: Does not decompose when used and stored as recommended.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

DERMAL	RAT	24H LD50	>2000	mg/kg/bw
ORAL	RAT	LD50	>5000	mg/kg/bw
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...]

3-IODO-2-PROPYNYL BUTYLCARBAMATE

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	300 to 500	mg/kg
VAPOURS	RAT	4H LC50	0.67	mg/l

TEBUCONAZOLE; 1-(4-CHLOROPHENYL)-4,4-DIMETHYL-3-(1,2,4-TRIAZOL-1-YLMETHYL)PENTAN-3-OL

DERMAL	RAT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	>5000	mg/m3
ORAL	RAT	LD50	300-500	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. Repeated exposure may cause skin dryness or cracking.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May be fatal if swallowed and enters airways.

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

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

ALGAE	72H ErL50	>1000	mg/l
ALGAE	72H NOELR	=1000	mg/l
Daphnia magna	21D NOELR	=0.18	mg/l
Daphnia magna	48H EL50	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	28D NOELR	0.10	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

[cont...]

Daphnia magna	48H EC50	100	mg/l

3-IODO-2-PROPYNYL BUTYLCARBAMATE

Daphnia magna	48H EC50	0.16	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	0.67	mg/l
Scenedesmus Subspicatus	72H ErC50	0.053	mg/l

TEBUCONAZOLE; 1-(4-CHLOROPHENYL)-4,4-DIMETHYL-3-(1,2,4-TRIAZOL-1-YLMETHYL)PENTAN-3-OL

ALGAE	72H EC50	3.8	mg/l
Daphnia magna	48H EC50	2.79	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	48H LC50	4.4	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Slightly mobile to non-mobile.

12.5. Results of PBT and vPvB assessment

Persistence (P-):

Persistence result: not P-

Bioaccumulation (B-):

Bioconcentration factor (BCF): <2000

Aquatic species tested: FISH

Bioaccumulation result: not B-

Toxicity (T-):

mg/l

NOEC for marine or freshwater organisms: <0.1

Toxicity result: T

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

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

[cont...]

Disposal of packaging: Disposal of in accordance with applicable regional, national, local laws and regulations. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers may retain some product residues.

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: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS; TEBUCONAZOLE; 1-(4-CHLOROPHENYL)-4,4-DIMETHYL-3-(1,2,4-TRIAZOL-1-YLMETHYL)PENTAN-3-OL)

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes **Marine pollutant:** Yes

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk: Not Applicable.

Section 15: Regulatory information

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

Specific regulations: Retail packs require a child resistant closure to BS EN ISO 28317 and a tactile warning triangle.

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

[cont...]

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.

EUH208: Contains 3-iodo-2-propynyl butylcarbamate and tebuconazole. May produce an allergic reaction.

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.

H361d: Suspected of damaging the unborn child.

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.

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.