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LIGNUM PRO D156

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: LIGNUM PRO D156

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

Use of Substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

1.3 Details of the supplier of the safety data sheet

Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way

Crayford, Kent DA1 4HF

Tel: 01322 318830 Fax: 01322 524017

Info@tritonsystems.co.uk - www.tritonsystems.co.uk

1.4 Emergency telephone number

Emergency number: +44 (0) 1322 318830 (0900 – 1700 UK time)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT RE 2: H373; -: EUH210

Most important adverse effects:

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs (Larynx) through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long-lasting effects. Safety data sheet available on request.

2.2 Label Elements:

Hazard statements:

H315: Harmful if swallowed
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H373: May causes damage to organs (Larynx) through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
EUH210: Safety data sheet available on request.

Hazard pictograms:

GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental

Signal words:

Danger

Precautionary statements:

P260: Do not breathe dust / fumes / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P301 + 312: IF SWALLOWED: Call a POISON CENTRE / doctor if you feel unwell.
P302 + 352: IF ON SKIN: Wash with plenty of water / soap.
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 CENTRE / doctor.
P391: Collect spillage.
P501: Dispose of contents / container to hazardous or special waste collection point.

**2.3 Other hazards:****PBT:** This product is not identified as a PBT / vPvB substance.**3. COMPOSITION & INFORMATION ON INGREDIENTS****3.2 Mixture****Hazardous ingredients:**

ALCOHOL, C9-11, ETHOXYLATED

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	68439-45-2	-	Acute Tox. 4: H302, Eye Dam. 1: H318	10-30%

PROPICONAZOLE

262-104-4	60207-90-7	-	Acute Tox 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10%
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3-IODO-2-PROPYNYL BUTYLCARBAMATE

259-627-5	55406-53-6	-	Acute Tox 4: H331; Acute Tox. 4: H302; STOT RE 1: H372; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10%
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M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

258-067-9	52645-53-1	-	Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	-
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Non-classified ingredients:

*2-METHYL-2H-ISOTHIAZOLIN-3-ONE (MIT)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
220-239-6	2682-20-4	-	Acute Tox. 3: H301; Acute Tox. 2: H330; Skin Corr. 1B: H314; Skin Sens. 1A: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Acute Tox. 3: H311	<1%

1,2-BENZISOTHIAZOLIN-3-ONE

220-120-9	2634-33-5	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400	<1%
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4. FIRST AID MEASURES**4.1 Description of First Aid Measures**

Skin Contact:	Wash immediately with plenty of soap and water.
Eye Contact:	Bathe the eye with running water for 15 minutes.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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:	There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	Absorption through the lungs can occur causing symptoms similar to those of ingestion.
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: Not applicable.

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: 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.

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. 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.

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities

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

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s)

Specific end use(s): No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2 Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves

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



Skin protection: Protective clothing.
Environmental: Prevent from entering in public sewers or the immediate environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State: Liquid
Colour: Yellow - brown
Odour: Characteristic odour
Evaporation rate: No data available
Oxidising: Not data available
Solubility in water: Miscible
Viscosity: Viscous
Boiling point/range °C: No data available
Flammability limits %: lower: No data available
Flash point °C: No data available
Autoflammability °C: No data available
Relative density: 1.065g/L
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: Approx. 7

9.2 Other information

Other information: No data available

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. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid: Heat

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. Decomp. Products: In combustion emits toxic fumes.



11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Hazardous ingredients:

ALCOHOLS, C9-11, ETHOXYLATED

DERMAL	-	LD50	>2000	mg/kg
ORAL	-	LD50	>300<+2000	mg/kg

M-PHENOXYBENZYL 3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

ORL	MUS	LD50	424	mg/kg
ORL	RAT	LD50	383	mg/kg
SKN	RAT	LD50	1750	mg/kg

(Cont'd

11. TOXICOLOGICAL INFORMATIONCont'd)

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

11.2 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:	There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	Absorption through the lungs can occur causing symptoms similar to those of ingestion.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity values: No data available.

12.2 Persistence and degradability

Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil

Mobility: Readily absorbed in soil.

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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.



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
(Propiconazole, IPBC, Permethrin)

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: No

14.6 Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

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

16. OTHER INFORMATION

Other information: 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:

EUH210: Safety data sheet available on request.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic 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.
H330: Fatal if inhaled.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <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.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.