

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

DEEPKILL TIMBER PTE Supercedes Date: 29-Mar-2022 Revision date 09-Sep-2022 Revision Number 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1	1	Ρ	r	0	d	u	ct	id	er	nt	if	ie	er	_

Product Name DEEPKILL TIMBER PTE

Pure substance/mixture Mixture

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

Recommended use Biocidal Products (e.g. disinfectants, pest control) Restricted to professional users

Uses advised against Consumer use

## 1.3. Details of the supplier of the safety data sheet

<u>Company Name</u> Bostik Limited Common Rd ST16 3EH Stafford UK Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Ireland	+44 (1785) 272650 <b>NPIC - National Poison Information Centre</b> Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service)
Europe	112

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Reproductive toxicity	Category 1B - (H360D)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

## 2.2. Label elements

Contains Propiconazole, 3-lodo-2-propynyl butylcarbamate [IPBC], Permethrin

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Signal word Danger

#### Hazard statements

H360D - May damage the unborn child. H410 - Very toxic to aquatic life with long lasting effects.

#### **EU Specific Hazard Statements**

EUH208 - Contains 3-lodo-2-propynyl butylcarbamate [IPBC] & Permethrin. May produce an allergic reaction

## Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P391 - Collect spillage

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

## Special provisions concerning the labelling of certain mixtures

Restricted to professional users.

## 2.3. Other hazards

Combustible liquid.

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## **SECTION 3: Composition/information on ingredients**

## 3.1 Substances

Not applicable

## 3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics			40 - <80	Asp. Tox. 1 (H304) (EUH066)	-	01-2119456377- 30-XXXX
Propiconazole	262-104-4	60207-90-1	0.1- <1	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Repr. 1B (H360D)	-	-

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				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic 1		
				(H410)		
3-lodo-2-propynyl	259-627-5	55406-53-6	0.1- <1	STOT RE 1	-	-
butylcarbamate [IPBC]				(H372)		
				Eye Dam. 1		
				(H318)		
				Skin Sens. 1		
				(H317)		
				Acute Tox. 4		
				(H302)		
				Acute Tox. 3		
				(H331)		
				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic 1		
				' (H410)		
Permethrin	258-067-9	52645-53-1	0.1- <1	Acute Tox. 4	-	-
				(H302)		
				Acute Tox. 4		
				(H332)		
				Skin Sens. 1		
				(H317)		
				Aquatic Acute 1		
				(H400)		
				Aquatic Chronic 1		
				(H410)		

## Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.				
Inhalation	IF exposed or concerned: Get medical advice/attention. Remove to fresh air.				
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.				
Skin contact	IF ON SKIN: Wash with plenty of soap and water. Do not use solvents or thinners to dissolve the material.				
Ingestion	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.				
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8).				

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

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Symptoms	No information available.						
4.3. Indication of any immediate medical attention and special treatment needed							
Note to doctors	Treat symptomatically.						
SECTION 5: Firefighting mea	asures						
5.1. Extinguishing media							
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.						
Unsuitable extinguishing media	Full water jet.						
5.2. Special hazards arising from the	ne substance or mixture						
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.						
5.3. Advice for firefighters							
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.						
SECTION 6: Accidental relea	ase measures						
6.1. Personal precautions, protecti	ve equipment and emergency procedures						
Personal precautions	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.						
For emergency responders	Use personal protection recommended in Section 8.						
6.2. Environmental precautions							
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.						
6.3. Methods and material for conta	ainment and cleaning up						
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dyke far ahead of liquid spill for later disposal.						
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.						
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.						
6.4. Reference to other sections							
Reference to other sections	See section 8 for more information. See section 13 for more information.						
SECTION 7: Handling and st	orage						

## 7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

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General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.		
7.2. Conditions for safe storage, in	cluding any incompatibilities		
Storage Conditions	Store locked up. Keep from freezing. Keep at temperatures between 5 and 35 $^{\circ}\mathrm{C}.$		
Recommended storage temperature	Do not freeze.		
7.3. Specific end use(s)			
<b>Specific use(s)</b> Restricted to professional users. Biod	cidal Products (e.g. disinfectants, pest control).		
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.		
Other information	Observe technical data sheet.		

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

**Exposure Limits** 

## Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)								
3-lodo-2-propynyl butylcarb	3-lodo-2-propynyl butylcarbamate [IPBC] (55406-53-6)							
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor					
worker Long term Systemic health effects	Inhalation	0.023 mg/m³						
worker Short term Systemic health effects	Inhalation	1.16 mg/m³						
worker Long term Systemic health effects	Dermal	2 mg/kg bw/d						

## Predicted No Effect Concentration No information available. (PNEC)

Predicted No Effect Concentration (PNEC)						
3-lodo-2-propynyl butylcarbamate [IPBC] (55406-53-6)						
Environmental compartment	Predicted No Effect Concentration (PNEC)					
Freshwater	0.001 mg/l					
Sewage treatment plant	0.44 mg/l					
Freshwater sediment	0.017 mg/kg dry weight					
Marine sediment	0.002 mg/kg dry weight					
Soil	0.005 mg/kg dry weight					

## 8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas.

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Personal protective equipment Eye/face protection Hand protection	Tight sealing safety goggles. Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Skin and body protection	Suitable protective clothing. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. Antistatic footwear. Gloves made of plastic or rubber.
Respiratory protection	Ensure adequate ventilation, especially in confined areas.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical		
Physical state	Liquid	
Appearance	Gel	
Colour	White	
Odour	Odourless.	
Odour threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available °C	None known
Initial boiling point and boiling	> 60 °C	
range		
Flammability	Not applicable for liquids No data available	
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive	No data available	
limits		
Flash point	No data available °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
рН	6.5 -	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	15854	
Dynamic viscosity	13000 mPa s	@ 20 °C
Water solubility	Dispersible.	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	0.831 -	None known
Bulk Density	No data available	
Density	0.82 - 0.86 g/ml	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
9.2. Other information		
Solid content (%)	No information available	
VOC content	No data a	available

9.2.1. Information with regards to physical hazard classes

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## Not applicable

9.2.2. Other safety characteristics No information available

## SECTION 10: Stability and reactivity

10.1. Reactivity	
Reactivity	No information available.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
10.3. Possibility of hazardous react	tions
Possibility of hazardous reactions	None under normal processing.
10.4. Conditions to avoid	
Conditions to avoid	Do not freeze.
10.5. Incompatible materials	
Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition pro	oducts
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.
SECTION 11: Toxicological i	nformation

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

## Information on likely routes of exposure

## **Product Information**

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

## Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

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## Numerical measures of toxicity

## The following values are calculated based on chapter 3.1 of the GHS document ATEmix (inhalation-dust/mist) 148.8889 mg/l

## **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C12-C16,	LD50 > 5000 mg/kg (Rat)	LC50 >2000 mg/Kg (Rattus)	>5.6 mg/L (Rattus) 4 h
isoalkanes, cyclics, <2%	(OECD Guideline 401)	(OECD 402)	
aromatics			
Propiconazole	=1517 mg/kg (Rattus)	> 4 g/kg (Rattus) > 4000	=1264 mg/m3 (Rattus) 4 h >
		mg/kg (Oryctolagus cuniculus)	5800 mg/m <sup>3</sup> (Rattus) 4 h
3-lodo-2-propynyl	LD50 =1056 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	=0.67 mg/L (Rattus) 4 h
butylcarbamate [IPBC]	(OECD 401)		-
Permethrin	=220 mg/kg (Rattus)	= 1750 mg/kg (Rattus)	> 0.69 mg/L (Rat)4 h
	= 383 mg/kg (Rattus)		

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.	
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.	
The table below indicates ingredients	s above the cut-off threshold considered as relevant which are listed as reproductive toxins.	
Chemical na		
Propiconazo STOT - single exposure	Based on available data, the classification criteria are not met.	

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available. Endocrine disrupting properties

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## 11.2.2. Other information

Other adverse effects

No information available.

## **SECTION 12: Ecological information**

## 12.1. Toxicity

## Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics 	-	-	-	EL50 24 Hr >1000 mg/l (Daphnia magna)		
Propiconazole 60207-90-1	-	-	-	-	1	1
3-lodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	EC50 (72 hrs) 0.022 mg/l Scenedesmus subspicatus	LC50 96 h 0.049 - 0.079 mg/L (Oncorhynchus mykiss flow-through)	-	Acute EC50 (48hrs) 0.16 mg/l - Daphnia magna	10	1
Permethrin 52645-53-1	-	LC50 96 h 0.00049 - 0.00097 mg/L (Oncorhynchus mykiss flow-through)	-	-	1000	1000

## 12.2. Persistence and degradability

Persistence and degradability No information available.

## 3-lodo-2-propynyl butylcarbamate [IPBC] (55406-53-6)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready	28 days		Not readily biodegradable
Biodegradability: Manometric			
Respirometry Test (TG 301 F)			

## 12.3. Bioaccumulative potential

## Bioaccumulation

## **Component Information**

Chemical name	Partition coefficient
3-lodo-2-propynyl butylcarbamate [IPBC]	2.88
Permethrin	6.5

## 12.4. Mobility in soil

Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

## **PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Propiconazole	The substance is not PBT / vPvB

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3-lodo-2-propynyl butylcarbamate [IPBC]	The substance is not PBT / vPvB PBT assessment does
	not apply

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

# SECTION 13: Disposal considerations 13.1. Waste treatment methods Waste from residues/unused products Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations. Contaminated packaging Do not reuse empty containers.

Other information	Waste codes should be assigned by the user based on the application for which the
	product was used.

SECTION 14: Transport info	rmation
Note:	The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material. Keep from freezing.
Land transport (ADR/RID) 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) Labels 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special Provisions Classification code Tunnel restriction code Limited quantity (LQ) ADR Hazard Id (Kemmler Number)	UN3082 Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl butylcarbamate [IPBC]) 9 9 III UN3082, Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl butylcarbamate [IPBC]), 9, III, (-) Yes 274, 335, 601, 375 M6 (-) 5 L 90
IMDG14.1 UN number or ID number14.2 Proper Shipping Name14.3 Transport hazard class(es)14.4 Packing group Description14.5 Marine pollutant14.6 Special Provisions Limited Quantity (LQ)	UN3082 Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl butylcarbamate [IPBC]) 9 III UN3082, Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl butylcarbamate [IPBC]), 9, III, Marine Pollutant P 274, 335, 969 5 L

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EmS-No 14.7 Maritime transport in bulk according to IMO instruments	F-A, S-F Not applicable
Air transport (ICAO-TI / IATA-DGR	
14.1 UN number or ID number	UN3082
14.2 Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl
	butylcarbamate [IPBC])
14.3 Transport hazard class(es)	9
14.4 Packing group	
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s (Permethrin, 3-lodo-2-propynyl butylcarbamate [IPBC]), 9, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	A97, A158, A197
Limited quantity (LQ)	30 kg G
ERG Code	9L

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

## SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Propiconazole	60207-90-1	30. 75.

#### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### **Export Notification requirements**

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex	
	Number	
Propiconazole	l.1	
Permethrin	l.1	

#### Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

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Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### Persistent Organic Pollutants Not applicable

## National regulations

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## **SECTION 16: Other information**

## Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking

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

- H331 Toxic if inhaled
- H332 Harmful if inhaled
- H360D May damage 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

#### Legend

Legenu	
TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by
	Road
IMDG	International Maritime Dangerous Goods (IMDG)
ΙΑΤΑ	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data	
No information available	

Prepared By	Product Safety & Regulatory Affairs
Revision date	09-Sep-2022
Indication of changes	

Revision note	Not applicable.
Training Advice	No information available
Further information	No information available

## This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

## Disclaimer

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and 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 such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**