

DEEPKILL TIMBER PTE
Supersedes Date: 25-Jun-2018

Revision date 22-May-2020
Revision Number 2

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

1.1. Product Identifier

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).
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Company Name

Sovereign Chemicals Limited
 Park Road
 Barrow-in-Furness
 Cumbria
 LA14 4EQ
 United Kingdom
 Telephone: 0044 1229 870800

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom +44 (1785) 272650
Ireland +353 (1) 8624900 (Monday- Friday 9am-5pm)

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



Signal word
 DANGER

Hazard statements

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

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EU Specific Hazard Statements

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

Precautionary statements

P102 - Keep out of reach of children.
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.

Restricted to professional users.

2.3. Other Hazards

No information available

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 3.2 Mixtures

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Propiconazole	262-104-4	60207-90-1	0.1 - <1	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Repr. 1B (H360D) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) M-Factor: 1		--
3-Iodo-2-propynyl butylcarbamate [IPBC]	259-627-5	55406-53-6	0.1 - <1	STOT RE 1 (H372) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic		--

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				1 (H410) (M Factor Acute = 10) (M Factor Chronic = 1)		
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) M-Factor: 1000		--

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

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (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	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
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.

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

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, CO2 or water spray.
Unsuitable extinguishing media	Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

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Specific hazards arising from the chemical Thermal decomposition can lead to release of toxic and corrosive gases/vapours.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

Other information Ventilate the area. Prevent further leakage or spillage if safe to do so.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

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 storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

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, including any incompatibilities

Storage Conditions Store locked up. Keep from freezing.

7.3. Specific end use(s)

Specific Use(s)
Biocidal 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.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear protective nitrile rubber gloves.

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 and chemical properties

Physical state Liquid
Appearance Gel
Colour White
Odour Petroleum distillates
Odour threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5 - 6	
Melting point / freezing point	No data available	
Boiling point / boiling range	> 101 °C	
Flash point	> 78 °C	
Evaporation rate	No data available	
Flammability (solid, gas)	Not applicable for liquids	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	0.82 - 0.86	None known
Water solubility	Dispersible	
Solubility(ies)	No data available	
Partition coefficient	No data available	

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Autoignition temperature	No data available	
Hyphen	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	13000 mPa s	@ 20 °C
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	No information available
VOC Content (%)	No information available
Density	0.82 - 0.86 g/ml

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 reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Keep from freezing.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents, strong acids, and strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.

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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (inhalation-dust/mist) 167.50 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propiconazole 60207-90-1	=1517 mg/kg (Rattus)	> 4 g/kg (Rattus) > 4000 mg/kg (Oryctolagus cuniculus)	=1264 mg/m ³ (Rattus) 4 h > 5800 mg/m ³ (Rattus) 4 h
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	LD50 =300-500 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	=0.67 mg/L (Rattus) 4 h
Permethrin 52645-53-1	=220 mg/kg (Rattus) = 383 mg/kg (Rattus)	= 1750 mg/kg (Rattus)	> 0.69 mg/L (Rat) 4 h

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 Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Propiconazole 60207-90-1	Repr. 1B

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.

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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 Micro-organisms	Crustacea	M-Factor	M-Factor (long-term)
Propiconazole 60207-90-1	-	-	-	-	1	
3-Iodo-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	

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	2.88	-
Permethrin 52645-53-1	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

Chemical name	PBT and vPvB assessment
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Other adverse effects

Other adverse effects No information available.

Endocrine Disruptor Information

Chemical name	EU - Endocrine Disrupters	EU - Endocrine Disrupters -
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	Candidate List	Evaluated Substances
Propiconazole	Group III Chemical	-
Permethrin	Group III Chemical	-

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

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.

Land transport (ADR/RID)

14.1 UN Number	UN3077
14.2 Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC])
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing Group	III
Description	UN3077, Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC]), 9, III, (-)
14.5 Environmental hazards	Yes
14.6 Special Provisions	274, 335, 601, 375
Classification Code	M7
Tunnel restriction code	(-)
Limited Quantity (LQ)	5 kg
ADR Hazard Id (Kemmler Number)	90

IMDG

14.1 UN number	UN3077
14.2 Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC]), Marine Pollutant
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3077, Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC]), 9, III, Marine Pollutant
14.5 Marine Pollutant	P.
14.6 Special Provisions	274, 335, 966, 967, 969
Limited Quantity (LQ)	5 kg
EmS-No	F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number	UN3077
14.2 Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC])

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14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3077, Environmentally hazardous substances, solid, n.o.s (Permethrin, 3-Iodo-2-propynyl butylcarbamate [IPBC]), 9, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	A158, A179, A97, 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 $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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

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

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
Permethrin	I.1

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

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

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

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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

H302 - Harmful if swallowed
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

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

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 22-May-2020

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