



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# SAFETY DATA SHEET

EXTERIOR WOOD PRESERVER(BP) CHESTNUT

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

1.1 Product identifier			
GHS product identifier	: 🔽 EXTERIOR WOOD PRESERVER(BP) CHESTNUT		
1.2. Relevant identified uses	of the substance or mixture and uses advised against		
Product use	: Vaterborne preservative for exterior use.		
1.3. Details of the supplier of	the safety data sheet		
	ICI Paints AkzoNobel,		
	Wexham Road,		
	Slough, Berkshire,		
	SL2 5DS, U.K.		
	Tel.: +44 (0) 333 222 71 71		
	www.cuprinol.co.uk		
e-mail address of person	: cuprinol.advice@akzonobel.com		
responsible for this SDS			
1.4 Emergency telephone nu	mber		
National advisory body/Pois			
Telephone number	: +44 (0)344 892 0111		
•			
<u>Supplier</u> Tolonkono numbor	- Emergency Talanhana - Claurh - 44 (0) 1752 550000		
Telephone number	: Emergency Telephone : Slough +44 (0) 1753 550000		
Version	: 2		
Date of previous issue	: 19-10-2022		
<b>SECTION 2: Hazards</b>	identification		

# 2.1 Classification of the substance or mixture

Product definition : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Sens. 1, H317 Aquatic Acute 1, H400

Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

EXTERIOR WOOD PRESERVER(BP) CHESTNUT SECTION 2: Hazards identification Hazard pictograms Signal word : Warning Hazard statements : H317 - May cause an allergic skin reaction. H410 - Very toxic to aquatic life with long lasting effects. **Precautionary statements** General : P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand. Prevention : P280 - Wear protective gloves. P273 - Avoid release to the environment. P261 - Avoid breathing vapor. Response : P391 - Collect spillage. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. Storage : Not applicable. Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations. **Hazardous ingredients** : IPBC propiconazole 1,2-Benzisothiazol-3(2h)-one methylisothiazolinone OIT CMIT/MIT(3:1) Supplemental label : Not applicable. elements Annex XVII - Restrictions : on the manufacture. placing on the market and use of certain dangerous substances, mixtures and articles Special packaging requirements Containers to be fitted : Not applicable. with child-resistant fastenings Tactile warning of danger : Not applicable. 2.3 Other hazards Product meets the criteria : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. for PBT or vPvB according to Regulation (EC) No. 1907/2006. Annex XIII Other hazards which do : None known.

not result in classification

# EXTERIOR WOOD PRESERVER(BP) CHESTNUT

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

3.2	Mixtures
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#### : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
IPBC	EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7	<1	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 (larynx) Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg ATE [Inhalation (dusts and mists)] = 0.5 mg/l M [Acute] = 10 M [Chronic] = 1	[1]
propiconazole	EC: 262-104-4 CAS: 60207-90-1 Index: 613-205-00-0	<0.3	Acute Tox. 4, H302 Skin Sens. 1, H317 Repr. 1B, H360D Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg M [Acute] = 1 M [Chronic] = 1	[1]
(2-methoxymethylethoxy) propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤0.3	Not classified.	-	[2]
1,2-Benzisothiazol-3(2h)- one	EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0.05	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	ATE [Oral] = 500 mg/kg Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 1	[1]
Terbutryn	EC: 212-950-5 CAS: 886-50-0 Index: self classification	≤0.1	Acute Tox. 4, H302 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/kg M [Acute] = 100 M [Chronic] = 100	[1]
methylisothiazolinone	EC: 220-239-6 CAS: 2682-20-4	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071	ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Sens. 1, H317: $C \ge 0.0015\%$ M [Acute] = 10 M [Chronic] = 1	[1]
pyrithione zinc	EC: 236-671-3 CAS: 13463-41-7	≤0.065	Acute Tox. 3, H301 Acute Tox. 2, H330 Eye Dam. 1, H318 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 221 mg/kg ATE [Inhalation (dusts and mists)] = 0.14 mg/l M [Acute] = 1000 M [Chronic] = 10	[1]
ΟΙΤ	EC: 247-761-7	≤0.065	Acute Tox. 3, H301	ATE [Oral] = 100	[1]
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EXTERIOR WOOD PRESERVER(BP) CHESTNUT					
SECTION 3: Composition/information on ingredients					
	CAS: 26530-20-1 Index: 613-112-00-5		Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	mg/kg ATE [Dermal] = 300  mg/kg ATE [Inhalation (dusts and mists)] = 0.05 mg/l Skin Sens. 1, H317: C $\geq$ 0.0015% M [Acute] = 100 M [Chronic] = 100	
CMIT/MIT(3:1)	REACH #: 01-2120764691-48 EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5	<0.001	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 100 mg/kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (dusts and mists)] = 0.05 mg/l Skin Corr. 1C, H314: C $\geq$ 0.6% Skin Irrit. 2, H315: 0.06% $\leq$ C < 0.6% Eye Dam. 1, H318: C $\geq$ 0.6% Eye Irrit. 2, H319: 0.06% $\leq$ C < 0.6% Skin Sens. 1, H317: C $\geq$ 0.0015% M [Acute] = 100 M [Chronic] = 100	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

# **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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#### **SECTION 4: First aid measures**

Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 3-iodo-2-propynyl butylcarbamate, propiconazole (ISO), 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, CMIT/MIT(3:1). May produce an allergic reaction.

#### **Over-exposure signs/symptoms**

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

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

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

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# **SECTION 5: Firefighting measures**

5.1 Extinguishing media				
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.		
Unsuitable extinguishing media	:	None known.		
5.2 Special hazards arising fi	ron	the substance or mixture		
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.		
Hazardous combustion products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide		
5.3 Advice for firefighters				
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.		
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.		

# **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and materials for	r containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
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# **SECTION 6: Accidental release measures**

6.4 Reference to other	: See Section 1 for emergency contact information.
sections	See Section 8 for information on appropriate personal protective equipment.
	See Section 13 for additional waste treatment information.

# **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance.

#### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8.2 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

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 and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Seveso Directive - Reporting thresholds

#### Danger criteria

	Notification and MAPP threshold	Safety report threshold
E1	100 tonne	200 tonne

#### 7.3 Specific end use(s)

Recommendations	: Not available.

Industrial sector specific : Not available. solutions

# **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. TWA: 308 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

#### EXTERIOR WOOD PRESERVER(BP) CHESTNUT

# SECTION 8: Exposure controls/personal protection

procedures

**Recommended monitoring** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
IPBC	DNEL	Long term	0.023 mg/	Workers	Systemic
		Inhalation	m <sup>3</sup>	14/	O. un tra maile
	DNEL	Short term Inhalation	0.07 mg/m <sup>3</sup>	workers	Systemic
	DNEL	Short term	1.16 mg/m <sup>3</sup>	Workore	Local
	DINEL	Inhalation	1.10 mg/m	WUIKEIS	LUCAI
	DNEL	Long term	1.16 mg/m <sup>3</sup>	Workers	Local
	DINCE	Inhalation	1.10 mg/m	Wonters	Loodi
	DNEL	Long term Dermal	2 mg/kg	Workers	Systemic
		5	bw/day		,
propiconazole	DNEL	Long term Oral	0.08 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	0.14 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term	0.24 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	0.38 mg/	Workers	Systemic
	DUE		kg bw/day		
	DNEL	Long term	1.35 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation		Comoral	Quatamia
(2-methoxymethylethoxy)propanol	DNEL	Long term Oral	36 mg/kg bw/day	General	Systemic
	DNEL	Long term	37.2 mg/m <sup>3</sup>	population General	Systemic
	DINLL	Inhalation	57.2 mg/m	population	Systemic
	DNEL	Long term Dermal	121 mg/kg	General	Systemic
	DITE	Long toni Donna	bw/day	population	Cyclonic
	DNEL	Long term Dermal	283 mg/kg	Workers	Systemic
		5	bw/day		,
	DNEL	Long term	308 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	_		
1,2-Benzisothiazol-3(2h)-one	DNEL	Long term Dermal	0.345 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	0.966 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Long term	1.2 mg/m <sup>3</sup>	General	Systemic
		Inhalation	6.04 mag/mg3	population	Quatamia
	DNEL	Long term Inhalation	6.81 mg/m <sup>3</sup>	Workers	Systemic
methylisothiazolinone	DNEL	Long term	0.021 mg/	General	Local
การแรกรอนและอากอาเธ		Inhalation	0.02 1 mg/ m <sup>3</sup>	population	
	DNEL	Long term	0.021 mg/	Workers	Local
		Inhalation	m <sup>3</sup>		
	DNEL	Long term Oral	0.027 mg/	General	Systemic
			,		
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**SECTION 8: Exposure controls/personal protection** 

	DNEL	Short term	kg bw/day 0.043 mg/	population General	Local
		Inhalation	m³	population	
	DNEL	Short term Inhalation	0.043 mg/ m³	Workers	Local
	DNEL	Short term Oral	0.053 mg/ kg bw/day	General population	Systemic
pyrithione zinc	DNEL	Long term Dermal	0.01 mg/ kg bw/day	Workers	Systemic
CMIT/MIT(3:1)	DNEL	Long term Inhalation	0.02 mg/m <sup>3</sup>	population	Local
	DNEL	Long term Inhalation	0.02 mg/m <sup>3</sup>		Local
	DNEL	Short term Inhalation	0.04 mg/m <sup>3</sup>	population	Local
	DNEL	Short term Inhalation	0.04 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	0.09 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/ kg bw/day	General population	Systemic

#### **PNECs**

No PNECs available.

#### 8.2 Exposure controls

Appropriate engineering	:	Good general ventilation should be sufficient to control worker exposure to airborne
controls		contaminants.

#### Individual protection measures

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
	When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness $\geq$ 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness $\geq$ 0.12 mm. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
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# **SECTION 8: Exposure controls/personal protection**

	performance or effectiveness of the glove may mical damage and poor maintenance.	be reduced by physical/
	user must check that the final choice of type of luct is the most appropriate and takes into acco as included in the user's risk assessment.	
Body protection	sonal protective equipment for the body should g performed and the risks involved and should are handling this product.	
Other skin protection	ropriate footwear and any additional skin protec cted based on the task being performed and th roved by a specialist before handling this produ	e risks involved and should be
Respiratory protection	ed on the hazard and potential for exposure, se ropriate standard or certification. Respirators m iratory protection program to ensure proper fitti ects of use.	nust be used according to a
Environmental exposure controls	ssions from ventilation or work process equipm ure they comply with the requirements of enviro ome cases, fume scrubbers, filters or engineeri pment will be necessary to reduce emissions to	nmental protection legislation. ng modifications to the process

# **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Various: See label.
Odor	: Not available.
Odor threshold	: Not available.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flammability	: Not available.
Lower and upper explosion limit	: Not available.
Flash point	: Not available.
Auto-ignition temperature	:

Ingredient name		°C	°F	Method
(2-methoxymethylethoxy)propanol		207	404.6	EU A.15
2,2' -oxybisethanol		229	444.2	DIN EN 14522-S
Paraffin waxes and Hydrocarbon waxes	Paraffin waxes and Hydrocarbon waxes		472.7	
Decomposition temperature	: Not ava	ilable.		
pH : 8 [DIN E		EN 1262]		
Viscosity	tic: 185 mm²/s [DIN	N EN ISO 3219]		
Solubility(ies)	:			
Media	Media Resul			
cold water	Solub	le [OESO (TG 105)	)]	

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# **SECTION 9: Physical and chemical properties**

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Partition coefficient: n-octanol/ : Not applicable.

#### water

#### Vapor pressure

	Vapor Pressure at 20°C			١	Vapor pressure at 50	
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
ammonia	360.03	48				
Methyl methacrylate	27.75	3.7				
Water	23.8	3.2				
Relative density	: 1,02	25				
Density	: 1.02	25 g/cm³ [D	IN EN ISO 2811-1]			
Vapor density	: Not	available.				
Particle characteristics						
Median particle size	: Not	applicable.				
Percentage of particles wit aerodynamic diameter ≤ 10 µm						

SECTION 10: Stability and reactivity					
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.				
10.2 Chemical stability	: The product is stable.				
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.				
10.4 Conditions to avoid	: No specific data.				
10.5 Incompatible materials	: No specific data.				
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.				

# **SECTION 11: Toxicological information**

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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# **SECTION 11: Toxicological information**

Contains 3-iodo-2-propynyl butylcarbamate, propiconazole (ISO), 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, CMIT/MIT(3:1). May produce an allergic reaction.

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
_	LD50 Oral LD50 Oral		1470 mg/kg 5400 uL/kg	-
propanol Terbutryn	LC50 Inhalation Vapor	Rat	>8 g/m³	4 hours

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
130251	N/A	N/A	N/A	N/A	52.6
IPBC	500	N/A	N/A	N/A	0.5
propiconazole	500	N/A	N/A	N/A	N/A
1,2-Benzisothiazol-3(2h)-one	500	N/A	N/A	N/A	N/A
Terbutryn	500	N/A	N/A	N/A	N/A
methylisothiazolinone	100	300	N/A	0.5	N/A
pyrithione zinc	221	N/A	N/A	N/A	0.14
о́іт	100	300	N/A	N/A	0.05
CMIT/MIT(3:1)	100	50	N/A	N/A	0.05

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
(2-methoxymethylethoxy) propanol	Eyes - Mild irritant	Human	-	8 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
1,2-Benzisothiazol-3(2h)-one	Skin - Mild irritant	Human	-	48 hours 5 %	-
Terbutryn	Eyes - Moderate irritant	Rabbit	-	76 mg	-
	Skin - Mild irritant	Rabbit	-	380 mg	-
OIT	Eyes - Severe irritant	Rabbit	-	100 mg	-
CMIT/MIT(3:1)	Skin - Severe irritant	Human	-	0.01 %	-
Conclusion/Summary	: Not available.				
<u>Sensitization</u>					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
<b>Carcinogenicity</b>					
Conclusion/Summary	: Not available.				

# Reproductive toxicityConclusion/Summary: Not available.

#### **Teratogenicity**

**Conclusion/Summary** : Not available.

## Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

# EXTERIOR WOOD PRESERVER(BP) CHESTNUT SECTION 11: Toxicological information Product/ingredient name Category Route of exposure Target organs IPBC pyrithione zinc Category 1 Iarynx Category 1 Iarynx

#### Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.

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

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>cts</u>
Not available.	
Conclusion/Summary	: Not available.
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

#### 11.2 Information on other hazards

- 11.2.1 Endocrine disrupting properties
- Not available.
- 11.2.2 Other information

No additional information.

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# **SECTION 12: Ecological information**

#### 12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
IPBC	Acute EC50 0.186 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 8.4 ppb	Fish - Pimephales promelas	35 days
propiconazole	Acute EC50 2200 µg/l Fresh water	Algae - Chlamydomonas reinhardtii	3 days
	Acute EC50 1.34 mg/l Fresh water	Algae - Chlorella pyrenoidosa	96 hours
	Acute IC50 0.76 mg/l	Algae - Skeletonema costatum	72 hours
	Acute LC50 4.333 mg/l	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 0.99 mg/l Fresh water	Fish - Clarias batrachus - Fingerling	96 hours
	Acute LC50 6.8 mg/l	Fish - Cyprinus Caprio	96 hours
	Acute LC50 2.6 mg/l	Fish - Leistomus xanthurus	96 hours
	Acute LC50 6.4 mg/l	Fish - Lepomis Macrochirus	96 hours
	Acute LC50 5.3 mg/l	Fish - Oncorhynchus Mykiss	96 hours
	Chronic EC10 25.6 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic EC50 0.51 mg/l	Daphnia - Mysidopsis bahia	48 hours
	Chronic NOEC 0.375 mg/l Marine	Algae - Dunaliella tertiolecta	96 hours
	water	Aigae - Dunaliella tertiolecta	90 110015
	Chronic NOEC 0.1 µg/l Fresh water	Fish - Danio rerio - Embryo	120 days
1,2-Benzisothiazol-3(2h)-one	Acute EC50 1.5 mg/l	Daphnia - Daphnia magna	48 hours
	Acute EC50 0.4 mg/l	Daphnia - Pseudomonas putia	16 hours
	Acute IC50 0.067 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute LC50 1.3 mg/l	Fish - Ochorhyncus mykiss	96 hours
Terbutryn	Acute EC50 0.1 µg/l Fresh water	Algae - Fragilaria capucina ssp. rumpens	96 hours
	Acute EC50 1.4 to 2.66 mg/l	Daphnia	48 hours
	Acute EC50 2.66 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute IC50 0.0036 mg/l	Algae - (Selenastrum capricornutum	72 hours
	Acute LC50 579.3 mg/l Fresh water	Crustaceans - Pacifastacus leniusculus - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 1.3 mg/l	Fish - Lepomis Macrochirus	96 hours
	Acute LC50 1.1 mg/l	Fish - Oncorhynchus Mykiss	96 hours
	Acute LC50 0.82 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic EC10 0.015 µg/l Fresh water	Algae - Fragilaria capucina ssp. rumpens	96 hours
methylisothiazolinone	Acute EC50 0.24 mg/l	Daphnia	48 hours
	Acute EC50 0.18 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.18 mg/l	Fish	96 hours
	Acute LC50 12.4 mg/l	Fish - Lepomis Macrochirus	96 hours
	Acute LC50 6 mg/l	Fish - Oncorhynchus Mykiss	96 hours
	Acute LC50 0.07 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
ΟΙΤ	Acute EC10 0.000224 mg/l	Algae - Navicula peliculosa	48 hours
011	Acute EC50 0.084 mg/l	Algae - Desmodesmus	72 hours
	Acute 2000 0.004 mg/	subspicatus	
	Acute EC50 0.00129 mg/l	Algae - Navicula peliculosa	48 hours
	Acute EC50 0.42 mg/l	Daphnia	48 hours
	Acute EC50 107 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 47 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 74 ppb Fresh water	Daphnia - Daphnia magna	21 days
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EXTERIOR WOOD PRESERVER(BP) CHESTNUT					
SECTION 12: Ecological information					
	Chronic NOEC 8.5 ppb	Fish - Pimephales promelas	35 days		
Conclusion/Summary	: Not available.				

#### 12.2 Persistence and degradability

Conclusion/Summary	: Not available.
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Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
IPBC	-	-	Readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
IPBC	2.81	-	low
propiconazole	3.72	-	low
(2-methoxymethylethoxy) propanol	0.004	-	low
Terbutryn	3.74	-	low
pyrithione zinc	0.9	11	low
OIT	2.45	-	low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.

#### EXTERIOR WOOD PRESERVER(BP) CHESTNUT

### SECTION 13: Disposal considerations

 Disposal considerations
 : Do not allow to enter drains or watercourses.

 Dispose of according to all federal, state and local applicable regulations.

 If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

 For further information, contact your local waste authority.

#### European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation						
EWC 08 01 12	waste paint and varnish other than those mentioned in 08 01 11						
Packaging	Packaging						
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.						
Disposal considerations	<ul> <li>Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.</li> </ul>						
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.						

# **SECTION 14: Transport information**

	ADR/RID	IMDG	
14.1 UN number UN3082 or ID number		UN3082	
14.2 UN proper shipping name	•		
14.3 Transport9hazard class(es)		9	
14.4 Packing group	111	111	
14.5 Environmental hazards	Yes.	Marine Pollutant(s): IPBC	

IMDG

Tunnel code (-)
 Emergency schedules F-A, S-F
 This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2

**14.6 Special precautions for user**: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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and 4.1.1.4 to 4.1.1.8.

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# **SECTION 14: Transport information**

14.7 Transport in bulk according to IMO instruments

n bulk : Not available.

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>UK (GB) /REACH</u>

#### Annex XIV - List of substances subject to authorization

#### Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles <u>Other EU regulations</u>	: Not applicable.
VOC	: The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.
VOC for Ready-for-Use Mixture	: Not available.
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
Ozone depleting substance Not listed.	<u>≱s (1005/2009/EU)</u>
Duiou Informed Concept (D	

#### Prior Informed Consent (PIC) (649/2012/EU)

Ingredient name	Annex	Status
propiconazole	Annex I - Part 1	Listed

#### Persistent Organic Pollutants

Not listed.

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

Category	
E1	

#### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### EXTERIOR WOOD PRESERVER(BP) CHESTNUT

# **SECTION 15: Regulatory information**

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

# 15.2 Chemical Safety

: No Chemical Safety Assessment has been carried out.

#### Assessment

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group</li> </ul>
	vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Sens. 1, H317	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 2, H411	Calculation method

#### Full text of abbreviated H statements

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H410		Very toxic to aquatic life with long lasting effects.
H400		Very toxic to aquatic life.
		exposure.
H372		Causes damage to organs through prolonged or repeated
H360D		May damage the unborn child.
H360		May damage fertility or the unborn child.
H350		May cause cancer.
H341		Suspected of causing genetic defects.
H335		May cause respiratory irritation.
H331		Toxic if inhaled.
H330		Fatal if inhaled.
H318		Causes serious eye damage.
H317		May cause an allergic skin reaction.
H315		Causes skin irritation.
H314		Causes severe skin burns and eye damage.
H311		Toxic in contact with skin.
H310		Fatal in contact with skin.
H302		Harmful if swallowed.
H301		Toxic if swallowed.
H225		Highly flammable liquid and vapor.

#### EXTERIOR WOOD PRESERVER(BP) CHESTNUT

#### SECTION 16: Other information

H411 EUH071 Toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract.

#### Full text of classifications [CLP/GHS]

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STOT SE 3		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3
		EXPOSURE) - Category 1
STOT RE 1		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
Skin Sens. 1B		SKIN SENSITIZATION - Category 1B
Skin Sens. 1A		SKIN SENSITIZATION - Category 1A
Skin Sens. 1		SKIN SENSITIZATION - Category 1
Skin Irrit. 2		SKIN CORROSION/IRRITATION - Category 2
Skin Corr. 1C		SKIN CORROSION/IRRITATION - Category 1C
Skin Corr. 1B		SKIN CORROSION/IRRITATION - Category 1B
Skin Corr. 1		SKIN CORROSION/IRRITATION - Category 1
Repr. 1B		TOXIC TO REPRODUCTION - Category 1B
Muta. 2		GERM CELL MUTAGENICITY - Category 2
Flam. Liq. 2		FLAMMABLE LIQUIDS - Category 2
Eye Dam. 1		SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Aquatic Chronic 2 Carc. 1B		AQUATIC HAZARD (LONG-TERM) - Category 2 CARCINOGENICITY - Category 1B
Aquatic Chronic 1		AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Acute 1		AQUATIC HAZARD (ACUTE) - Category 1
Acute Tox. 4		ACUTE TOXICITY - Category 4
Acute Tox. 3		ACUTE TOXICITY - Category 3
Acute Tox. 2		ACUTE TOXICITY - Category 2

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#### Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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