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WOODZONE INSECTICIDE CONCENTRATE

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

1.1 Product identifier

Product form Mixture
Product name Woodzone Insecticide Concentrate

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

1.2.1 Relevant identified uses

Intended for general public

Main use category Professional use, Consumer use

Use of the Substance/mixture Wood preservatives.

1.2.2 Uses advised against

No additional information available

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

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhalation: dust, mist), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious corrosion/irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Repeated Exposure, Category 2	H373
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410

Full text of H statements: See section 16

Adverse physicochemical, human health and environmental effects:

Harmful if inhaled. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

2.2 Label Elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS05



GHS07



GHS08



GHS09



Signal word (CLP):	Danger
Hazardous ingredients:	Permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; 2-Butoxyethanol; 3-Iodo-2-propynylbutyl-carbamate
Hazard statements (CLP):	H302+H332 – Harmful if swallowed or if inhaled. H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H318 – Causes serious eye damage. H373 – May cause damage to organs through prolonged or repeated exposure. H410 – Very toxic to aquatic life with long lasting effects.
Precautionary statements:	P102 – Keep out of reach of children. P264 – Wash hands thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P271 – Use only outdoors or in a well-ventilated area. P272 – Contaminated work clothing should not be allowed out of the workplace.
Child-resistant fastening:	Not applicable.
Tactile warning:	Applicable.
2.3 Other hazards:	No additional information available.

3. COMPOSITION & INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	(CAS-No.) 52645-53-1 (EC-No.) 258-067-9 (EC Index-No.) 613-058-00-2	20 - 40	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)
2-methyloxirane	(CAS-No.) 9003-11-6 (EC-No.) 618-355-0	20 – 40	Aquatic Chronic3, H412
2-Butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC-Index-No.) 603-014-00-0 (REACH-No.) 01-2119475108-36	10 - 20	Acute Tox. 4 (Oral), H302 Acute Tox. 3(Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
3-Iodo-2-propynyl-n-butyl-carbamate	(CAS-No.) 55406-53-6 (EC-No.) 259-627-5 (EC Index-No.) 616-212-00-7	1 – 10	Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Oral), H302 STOT RE 1, H372 Eye Dam. 1 H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Full text of H-statements: See section 16

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

First aid measures general:	Call a poison centre or a doctor if you feel unwell.
First aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison centre or doctor if you feel unwell.
First aid measures after skin contact:	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs; Get medical advice/attention.
First aid measures after ingestion:	Rinse mouth. Call a poison centre or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact:	Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact:	Eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.



5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters

Protecting during firefighting: Do not attempt to take action without suitable protect equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Ventilate spillage area. Avoid breathing fume, mist, spray, vapours. Avoid contact with skin and eyes.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions:

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Take up liquid spill into absorbent material

Other information: Dispose of materials or solid residues at an authorised site.

6.4 Reference to other sections

For further information refer to section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Use only outdoors or in a well ventilated area. Avoid breathing fume, mist, spray, vapours. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

2-butoxyethanol (111-76-2)		
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (mg/m ³)	123 mg/m ³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m ³)	246 mg/m ³
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

8.2 Exposure controls

Appropriate engineering controls:	Ensure good ventilation of the work station.
Personal protective equipment:	Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.
Materials for protective clothing:	Wear suitable protective clothing.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbols(s):



Environmental exposure controls: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Viscous liquid
Colour:	Pale yellow
Odour:	Characteristic
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20°C:	No data available
Relative density:	No data available
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	

9.2 Other information

No additional information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral): Oral: Harmful if swallowed.

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Inhalation: dust, mist: Harmful if inhaled.

ATE CLP (oral)	1086. 142 mg/kg bodyweight
ATE CLP (dust, mist)	2.134 mg/l/4h

2-Butoxyethanol (111-76-2)

LD50 oral rat	1414 mg/kg
LD50 oral	1746 mg/kg bodyweight
LD50 dermal	435 mg.kg bodyweight
LC50 inhalation rat (Dust/Mist – mg/l/4h)	2200 mg/l

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

STOT-single exposure: Not classified.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecology – general: Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

2-Butoxyethanol (111-76-2)

LC50 fish 1	1464 mg/l
EC50 other aquatic organisms 1	1550 mg/l waterflea
EC50 other aquatic organisms 2	911 mg/l

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential**2-Butoxyethanol (111-76-2)**

Log Pow	0.8
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12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

No additional information available.

13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

Waste treatment methods: Dispose of contents /container in accordance with licensed collector's sorting instructions.

Ecology – waste materials: Avoid release to the environment.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
3082	3082	3082	3082	3082
14.2 UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarb Oxylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarb Oxylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarb Oxylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarb Oxylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarb Oxylate)
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate), 9, III, MARINE POLLUTANT	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarb oxylate), 9, III
14.3 Transport hazard class(es)				
9	9	9	9	9
14.4 Packing group				
III	III	III	III	LII
14.5 Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

No supplementary information available

14.6 Special precautions for user
- Overland transport

Classification code (ADR): M6
 Special provisions (ADR): 274, 335, 601, 375
 Limited quantities (ADR): 5I
 Excepted quantities (ADR): E1
 Packing instructions (ADR): P001, IBC03, LP01, R001
 Mixed packing provisions (ADR): MP19
 Portable tank and bulk container Instructions (ADR): T4
 Portable tank and bulk container Special provisions (ADR): TP1, TP29
 Tank code (ADR): LGBV
 Vehicle for tank carriage: AT
 Transport category (ADR): 3
 Special provisions for carriage – Packages (ADR): V12
 Special provisions for carriage – loading, unloading and handling (ADR): CV13
 Hazard identification number (Kemler No.): 90
 Orange plates:



Tunnel restriction code (ADR): E



- Transport by sea

Special provisions (IMDG):	274, 335, 969
Limited quantities (IMDG):	5 L
Excepted quantities (IMDG):	E1
Packing instructions (IMDG):	P001, LP01
Special packing provisions (IMDG):	PP1
IBC packing instructions (IMDG):	IBC03
Tank Instructions (IMDG):	T4
Tank special provisions (IMDG):	TP2, TP29
EmS-No. (Fire):	F-A
EmS-No (Spillage):	S-F
Stowage category (IMDG):	A

- Air transport

PCA Excepted quantities (IATA):	E1
PCA Limited quantities (IATA):	Y964
PCA limited quantity max net quantity (IATA):	30kgG
PCA packing instructions (IATA):	964
PCA max net quantity (IATA):	450L
CAO packing instructions (IATA):	964
CAO max net quantity (IATA):	450L
Special provisions (IATA):	A97, A158, A197
ERG code (IATA):	9L

-inland waterway transport

Classification code (ADN):	M6
Special provisions (ADN):	274, 335, 375, 601
Limited quantities (ADN):	5 L
Excepted quantities (ADN):	E1
Carriage permitted (ADN):	T
Equipment required (ADN):	PP
Number of blue cones/lights (ADN):	0

-Rail transport

Classification code (RID):	M6
Special provisions (RID):	274, 335, 375, 601
Limited quantities (RID):	5 L
Excepted quantities (RID):	E1
Packing quantities (RID):	P001, IBC03, LP01, R001
Special packing provisions (RID):	PP1
Mixed packing provisions (RID):	MP19
Portable tank and bulk container Instructions (RID):	T4
Portable tank and bulk container Special provisions (RID):	TP1, TP29
Tank codes for RID tanks (RID):	LGBV
Transport category (RID):	3
Special provisions for carriage – Packages (RID):	W12
Special provisions for carriage – loading, unloading and handling (RID):	CW13, CW31
Colis express (express parcels) RID:	CE8
Hazard identification number (RID):	90

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

15.1.1 EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3.Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 199/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex 1 to Regulation (EC) No. 1272/2008	Permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate – 2- Butoxyethanol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Woodzone Insecticide Concentrate – permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate – 2- Butoxyethanol
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Woodzone Insecticide Concentrate – permethrin (ISO), m-phenoxybenzyl 3-(2,2-dichlorovinyl)—2,2-dimethylcyclopropanecarboxylate-2-methylloxirane

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances



15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. OTHER INFORMATION

Full text of H- and EUH statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox 4. (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox.4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
H301	Harmful if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS EU (REACH Annex II)

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.