

XYLOFARM DF CH97H5E I 5 - K UHfVUgYX]a dfY[bUjcb k ccX dfYgYfj UHj Y

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** XYLOFARM PROTECT AQUA - Waterbased impregnation wood preservative
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: protection of wood
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:** EVOCHEM S.A.
Tzaverdella Place
133 41 PHILI , ATTICA - GREECE
Phone.: 0030 210 5590460 , 0030 210 5590155 -
Fax: 0030 210 6254737 , 0030 210 5590244
info@evochem.gr; vmergoupis@evochem.gr;
sales@evochem.gr
www.evochem.gr
- 1.4 Emergency telephone number:** National Poisoning Center 2107793777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Aquatic Chronic 1; H410
; DGEBE
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

Very toxic to aquatic life with long lasting effects. (H410)
Do not use in paint spraying equipment. (DGEBE)

Safety statement(s)

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Avoid release to the environment. (P273).
Response	Collect spillage. (P391).
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

-

Additional labelling

Contains 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol, 3-iodo-2-propynylbutylcarbamate (T), 1,2-benzisotiazol, m-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate. May produce an allergic reaction. (EUH208)

Additional warnings

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VOC

VOC-MAX: <2,5 g/l, MAXIMUM VOC CONTENT (A/e (WB)): 130 g/l.

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XYLOFARM DF CH97H'5E I 5 - K UHfVUgYX]a dfY[bUjcb'k ccX'dfYgfj UHj Y'**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1/3.2. Substances/Mixtures**

NAME:	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol
IDENTIFICATION NOS.:	CAS-no: 60207-90-1 EC-no: 262-104-4 Index-no: 613-205-00-0
CONTENT:	<1%
CLP CLASSIFICATION:	Acute tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H302, H317, H400, H410
NAME:	m-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylat
IDENTIFICATION NOS.:	CAS-no: 52645-53-1 EC-no: 258-067-9 Index-no: 613-058-00-2
CONTENT:	<1%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H302, H317, H332, H400, H410 (M-chronic = 1000)
NAME:	3-iod-2-propynylbutylcarbamate (T)
IDENTIFICATION NOS.:	CAS-no: 55406-53-6 EC-no: 259-627-5
CONTENT:	<1%
CLP CLASSIFICATION:	Acute Tox. 3, Acute Tox. 4, STOT RE 1, STOT SE 3, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 H302, H317, H318, H331, H335, H372, H400

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

ATEmix(inhale, vapour) > 20
ATEmix(oral) > 2000
N chronic (CAT 1) Sum = Sum(Ci/M(chronic))²⁵ = 9,6384 - 14,4576
N acute (CAT 1) Sum = Sum(Ci/M(acute))²⁵ = 0,0384 - 0,0576

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

No special

Information to medics

Bring this safety data sheet.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

No special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

▼ **7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

No data available

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

Hand protection

: Refer to internal procedure

Eye protection

No specific requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Yellowish
Odour	Mild
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	No data available.

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

Data on fire and explosion hazards

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	2,6 - 15,3 v/v%

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
3-iod-2-propynylbutylcarbamate ...	Rabbit	LD50	Dermal	>2000 mg/kg
3-iod-2-propynylbutylcarbamate ...	Rat	LD50	Oral	>300 mg/kg
3-iod-2-propynylbutylcarbamate ...	Rat	LD50	Oral	<500 mg/kg
3-iod-2-propynylbutylcarbamate ...	Rat	LC50	Inhalation	0,67 mg/l
3-iod-2-propynylbutylcarbamate ...	Rat	LC50	Inhalation	0,78 mg/l
3-iod-2-propynylbutylcarbamate ...	Rat	LC50	Inhalation	6,89 mg/l
m-phenoxybenzyl-3-(2,2-dichloro...)	Rat	LD50	Oral	480-554 mg/kg bw
m-phenoxybenzyl-3-(2,2-dichloro...)	Rat	LD50	Dermal	>2000 mg/kg bw
m-phenoxybenzyl-3-(2,2-dichloro...)	Rat	LC50	Inhalation	23,5 mg/l
1-[[2-(2,4-dichlorophenyl)-4-pr...	Rat	LD50	Oral	1517 mg/kg
1-[[2-(2,4-dichlorophenyl)-4-pr...	Rat	LD50	Dermal	>4000 mg/kg
1-[[2-(2,4-dichlorophenyl)-4-pr...	Rat	LC50	Inhalation	>5800 g/m3

Skin corrosion/irritation

Data on substance: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol

Test: no guideline followed

Organism: Rabbit

Duration of Exposure: -

Observation Period: -

Result: Slight irritation

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Test: no guideline followed

Organism: Rabbit

Duration of Exposure: -

Observation Period: -

Result: Slight- irritant to skin of rabbits

Serious eye damage/irritation

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Test: no guideline followed

Organism: Rabbit

Duration of Exposure: -

Observation Period: -

Result: Mild-irritant to eyes of rabbits

Respiratory or skin sensitisation

Data on substance: 3-iod-2-propynylbutylcarbamate (T)

Organism: Rat

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SECTION 11: TOXICOLOGICAL INFORMATION

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorvinyl)-2,2-dimethylcyclopropanocarboxylat
Organism: -
Duration of Exposure: -
Observation Period: -
Result: Non-Sensitiser

Data on substance: 1-[[2-(2,4-dichlorphenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol
Organism: -
Duration of Exposure: -
Result: May cause sensitisation by skin contact This product contains substances that may trigger an allergic reaction to predisposed persons.

Germ cell mutagenicity

Data on substance: 3-iod-2-propynylbutylcarbamat (T)
Test: In Vitro Mammalian Cell Gene Mutation Test
Organism: Bacteria
Result: Negative
No adverse effect observed.

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorvinyl)-2,2-dimethylcyclopropanocarboxylat
No adverse effect observed.

Data on substance: 1-[[2-(2,4-dichlorphenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol
No adverse effect observed.

Carcinogenicity

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorvinyl)-2,2-dimethylcyclopropanocarboxylat
No adverse effect observed.

Data on substance: 1-[[2-(2,4-dichlorphenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol
No adverse effect observed.

Reproductive toxicity

Data on substance: 3-iod-2-propynylbutylcarbamat (T)
Test: OECD 421
Organism: Rabbit
Result: Positiv Dose Oral 50 mg/kg 13 dage 7 dage om ugen
Adverse effect observed.

Data on substance: 3-iod-2-propynylbutylcarbamat (T)
Test: OECD 421
Organism: Rabbit
Result: Negativ Dose 20 mg/kg 13 dage 7 dage om ugen
No adverse effect observed.

Data on substance: m-phenoxybenzyl-3-(2,2-dichlorvinyl)-2,2-dimethylcyclopropanocarboxylat
No adverse effect observed.

Data on substance: 1-[[2-(2,4-dichlorphenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazol
No adverse effect observed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

No special

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Substance	Species	Test	Duration	Result
3-iod-2-propynylbutylcarbamat ...	Algae	EC50	72 timer	0,022 mg/L
3-iod-2-propynylbutylcarbamat ...	Daphnia	EC50	48 timer	0,16 mg/L
3-iod-2-propynylbutylcarbamat ...	Fish	LC50	96 timer	0,067 mg/L
m-phenoxybenzyl-3-(2,2-dichlor...	Daphnia	EC50	24 hour	0,32 mg/l
m-phenoxybenzyl-3-(2,2-dichlor...	Fish	LC50	96 hour	8,9 microgram/l Guppy
m-phenoxybenzyl-3-(2,2-dichlor...	Fish	LC50	96 hour	0,145 mg/l Carp
m-phenoxybenzyl-3-(2,2-dichlor...	Algae	EC50	72 hour	>0,011 mg/l
1-[[2-(2,4-dichlorphenyl)-4-pr...	Fish	LC50	96 timer	6,8 mg/l
1-[[2-(2,4-dichlorphenyl)-4-pr...	Daphnia	EC50	48 timer	10,2 mg/L
1-[[2-(2,4-dichlorphenyl)-4-pr...	Algae	EC50	72 timer	0,76 mg/L
1-[[2-(2,4-dichlorphenyl)-4-pr...	Fish	LC50	96 timer	4,3 mg/l
1-[[2-(2,4-dichlorphenyl)-4-pr...	Fish	LC50	96 timer	6,4 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
m-phenoxybenzyl-3-(2,2-dichlor...	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
m-phenoxybenzyl-3-(2,2-dichlor...	Yes	No data available	No data available
1-[[2-(2,4-dichlorphenyl)-4-pr...	No	3,72	146

12.4. Mobility in soil

3-iod-2-propynylbutylcarbamat ...: Log Koc= 222,6023, Calculated from LogPow ().
1-[[2-(2,4-dichlorphenyl)-4-pr...: Log Koc= 3,024268, Calculated from LogPow (Moderate mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment, This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

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Specific labelling

-

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

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This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Propiconazol and IPBC
14.3. Transport hazard class(es)	9
14.4. Packing group	III
Notes	-
Tunnel restriction code	(E)

IMDG

UN-no.	3082
Proper Shipping Name	-
Class	9
PG*	-
EmS	-
MP**	yes
Hazardous constituent	-

IATA/ICAO

UN-no.	3082
Proper Shipping Name	-
Class	9
PG*	-

14.5. Environmental hazards

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

14.6. Special precautions for user

-

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

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

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Sources

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

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SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in 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.
- H335 - May cause respiratory irritation.
- H372 - Causes damage to organs through prolonged or repeated exposure α .
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data. The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -