

Safety Data Sheet

Protim ME7 Clear

Replaces date: 21/02/2025

Revision date: 14/10/2025
Version: 3.0.0

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

1.1. Product identifier

Trade name: Protim ME7 Clear
UFI: 8QY3-X1JG-K00H-2665

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

Recommended uses: Wood preservatives (PT 8).

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Protim Solignum Limited, T/A Koppers Performance Chemicals
Address: Lingfield Way
Zip code: DL1 4QA
City: Darlington
Country: UNITED KINGDOM
Email: SDS-KPC@koppers.eu

1.4. Emergency Telephone Number

Europe, Middle East, Africa (24h): +44 20 3885 0382 (Chemtrec customer no. 1020401)
Asia, Oceania (24h): +65 3163 8374 (Chemtrec customer no. 1020401)
Americas (24h): 1-800-424-9300 or +1-703-527-3887 (Chemtrec customer no. 1020401)
Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Sens. 1;H317
Eye Dam. 1;H318
Repr. 1B;H360D
Aquatic Acute 1;H400
Aquatic Chronic 1;H410

Most serious harmful effects: May cause an allergic skin reaction. Causes serious eye damage. May damage the unborn child. Very toxic to aquatic life with long lasting effects.

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2.2. Label elements

Pictograms



Signal word:

Danger

Contains

Substance:

Amines, coco alkyl dimethyl, N-oxides; tebuconazole (ISO); permethrin (ISO); propiconazole(ISO);

Hazard statements

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

H360D

May damage the unborn child.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P201

Obtain special instructions before use.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+352

IF ON SKIN: Wash with plenty of water.

P333+313

If skin irritation or rash occurs: Get medical advice/attention.

P362+364

Take off contaminated clothing and wash it before reuse.

P391

Collect spillage.

P273

Avoid release to the environment.

P308+313

IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

Contains at least one substance which is considered to have a hormone-disturbing effect. propiconazole(ISO)

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
Amines, coco alkyldimethyl, N-oxides	61788-90-7 263-016-9	5 - 10 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 2;H411 M (acute): 1
(2-methoxymethylethoxy) propanol	34590-94-8 252-104-2	1 - 5 %		
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6	1 - 5 %		Eye Irrit. 2;H319
tebuconazole (ISO)	107534-96-3 403-640-2	1 - 3 %		Acute Tox. 4;H302 Repr. 2;H361d Aquatic Acute 1;H400 Aquatic Chronic 1;H410 M (acute): 1 M (chronic): 10
permethrin (ISO)	52645-53-1 258-067-9	1 - 3 %		Acute Tox. 4;H302 Skin Sens. 1;H317 Acute Tox. 4;H332 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 M (acute): 1000 M (chronic): 1000
propiconazole(ISO)	60207-90-1 262-104-4	1 - 3 %		Acute Tox. 4;H302 Skin Sens. 1;H317 Repr. 1B;H360D Aquatic Acute 1;H400 Aquatic Chronic 1;H410 M (acute): 1 M (chronic): 1
phosphoric acid (85) %	7664-38-2 231-633-2	< 1 %		Met. Corr. 1;H290 Acute Tox. 4;H302 Skin Corr. 1B;H314 Eye Dam. 1;H318 C ≥ 25%: Skin Corr. 1B; H314 10% ≤ C < 25%: Skin Irrit. 2; H315 10% ≤ C < 25%: Eye Irrit. 2; H319
acetic acid ... %	64-19-7 200-580-7	< 0.0005 %		Flam. Liq. 3;H226 Skin Corr. 1A;H314 25% ≤ C < 90%: Skin Corr. 1B; H314 C ≥ 90%: Skin Corr. 1A; H314 10% ≤ C < 25%: Skin Irrit. 2; H315 10% ≤ C < 25%: Eye Irrit. 2; H319

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Do not induce vomiting. Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
Skin contact:	Wash the skin with water. Remove contaminated clothing. Seek medical advice in case of persistent discomfort.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing. May damage the unborn child.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Heating will cause a rise in pressure in packaging with a risk of bursting. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Keep unnecessary personnel away. Provide good ventilation. Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles/face protection.
For emergency responders:	In addition to the above: Chemical protective suit equivalent to EN 943-2 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

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6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

A workplace assessment must be conducted to ensure that employees are not exposed to effects that may involve a risk during pregnancy or when breastfeeding. Running water and eye wash equipment must be available. Avoid contact with skin and eyes. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging. Store in a cool, dry place. Storage temperature: <30 °C. Store frost-free. Shelf life: approximately 24 months.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	Fiber/cm3	Remarks	Comments
(2-methoxymethyl ethoxy)propanol	8h	50	308			Sk
(2-methoxymethyl ethoxy)propanol	15m					Sk
acetic acid ... %	8h	10	25			
acetic acid ... %	15m	20	50			
phosphoric acid ... %	8h		1			
phosphoric acid ... %	15m		2			
2-(2-butoxyethoxy) ethanol	15m	15	101.2			
2-(2-butoxyethoxy) ethanol	8h	10	67.5			

Sk = Can be absorbed through the skin.

Measuring methods:

Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

EH40/2005 Workplace exposure limits. Last amended January 2020. Control of Lead at Work Regulations 2002. Control of Asbestos Regulations 2012.

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PNEC

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	19 mg/l			
PNEC aqua (marine water)	1.9 mg/l			
PNEC STP (wastewater-treatment facilities)	4168 mg/l			
PNEC sediment (freshwater)	70.2 mg/kg			
PNEC sediment (marine water)	7.02 mg/kg			
PNEC soil	2.74 mg/kg			
2-(2-butoxyethoxy)ethanol, cas-no 112-34-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (intermittent releases)	11 mg/l			
PNEC STP (wastewater-treatment facilities)	200 mg/l			
PNEC sediment (marine water)	0.44 mg/kg			
PNEC aqua (freshwater)	1.1 mg/l			
PNEC aqua (marine water)	0.11 mg/l			
PNEC sediment (freshwater)	4.4 mg/kg			
tebuconazole (ISO), cas-no 107534-96-3				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0.01 mg/l			
PNEC sediment	0.55 mg/l			
PNEC STP (wastewater-treatment facilities)	0.32 mg/l			
PNEC soil	0.114 mg/kg dw			

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DNEL - workers

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	308 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	283 mg/kg bw/day				
2-(2-butoxyethoxy)ethanol, cas-no 112-34-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	83 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	67.5 mg/m ³				
phosphoric acid (85) %, cas-no 7664-38-2					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	10.7 mg/m ³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/kg				
Inhalation DNEL (acute/short-term exposure - local effects)	2 mg/m ³				

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DNEL - general population

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	36 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	37.2 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	121 mg/kg bw/day				
2-(2-butoxyethoxy)ethanol, cas-no 112-34-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	50 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	5 mg/m ³				
Inhalation DNEL (long-term exposure - systemic effects)	40.5 mg/m ³				
Inhalation DNEL (long-term exposure - local effects)	40.5 mg/m ³				
phosphoric acid (85) %, cas-no 7664-38-2					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Oral DNEL (long-term exposure - systemic effects)	0.1 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	4,57 mg/m ³				
Inhalation DNEL (long-term exposure - local effects)	0.36 mg/m ³				

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection:

Wear safety goggles/face protection. Eye protection must conform to EN 16321.

Personal protective equipment, skin protection:

Wear suitable protective clothing.

Personal protective equipment, hand protection:

Wear gloves. Type of material and thickness: Butyl rubber/ Nitrile rubber. 0.4 mm Penetration time: >8 hours. Gloves must conform to EN 374. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Liquid
Colour	Light yellow
Odour	Odourless
Solubility	Soluble in water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point	105 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	5 - 6	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
Relative density	1.01	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties	-	Non-explosive
Oxidising properties	-	Non-oxidising.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

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10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

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

Acute toxicity - oral

Amines, coco alkyldimethyl, N-oxides, cas-no 61788-90-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		500 mg/kg			

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg			

2-(2-butoxyethoxy)ethanol, cas-no 112-34-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		5660 mg/kg			

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat, male	LC50		4.000 mg/kg			
Rat, female	LC50		1.700 mg/kg			

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1479 mg/kg			

propiconazole(ISO), cas-no 60207-90-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1517 mg/kg			

phosphoric acid (85) %, cas-no 7664-38-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		1518 mg/kg			
	ATE		500 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Test data are not available for all substances.

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Acute toxicity - dermal

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		9510 mg/kg			

2-(2-butoxyethoxy)ethanol, cas-no 112-34-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		2700 mg/kg			

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat			> 5000 mg/kg			

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 2000 mg/kg			

phosphoric acid (85) %, cas-no 7664-38-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Test data are not available for all substances.

Acute toxicity - inhalation

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)	7h	> 275 ppm			

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5093 mg/l		OECD 403	

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	0.599 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Test data are not available for all substances.

Skin corrosion/irritation

Amines, coco alkyldimethyl, N-oxides, cas-no 61788-90-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating	OECD 404	

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
		2h	1 mL	Non-irritating		

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Test data are not available for all substances.

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Serious eye damage/eye irritation

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			0.04 mL	Non-irritating		

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating	OECD 405	

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

Respiratory sensitisation or skin sensitisation

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising		

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising	OECD 406	

permethrin (ISO), cas-no 52645-53-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				May cause skin sensitisation		

propiconazole(ISO), cas-no 60207-90-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Sensitising	Guinea pig maximization test	

May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.

Germ cell mutagenicity

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				No indications.	Ames test	

tebuconazole (ISO), cas-no 107534-96-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mammalian cells.				No indications.	OECD 482 OECD 479	
In vivo.				No indications.	OECD 474 OECD 478	

phosphoric acid (85) %, cas-no 7664-38-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	Ames test			No mutagenic effects observed.	OECD 471	
In vitro.				Negative	OECD 473	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Test data are not available for all substances.

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Carcinogenic properties

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOEL(inhalation)		3000 ppm			

The product does not have to be classified. Test data are not available for all substances.

Reproductive toxicity

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL		300 ppm			

May damage the unborn child.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL (oral)	28d	40 - 1000 mg/kg bw/day			
Rat	NOAEL (inhalation)	90d	91 - 1212 mg/m ³			

The product does not have to be classified. Test data are not available for all substances.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: Contains at least one substance which is considered to have a hormone-disturbing effect. propiconazole(ISO)

Other toxicological effects: None known.

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SECTION 12: Ecological information

12.1. Toxicity

Amines, coco alkyldimethyl, N-oxides, cas-no 61788-90-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	2.67 mg/l			

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Poecilia reticulata		96hLC50	> 1000 mg/l			

2-(2-butoxyethoxy)ethanol, cas-no 112-34-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Lepomis macrochirus		96hLC50	1300 mg/l			
Crustacea	Daphnia magna		48hEC50	> 100 mg/l			
Algae	Desmodesmus subspicatus		96hEC50	> 100 mg/l			

tebuconazole (ISO), cas-no 107534-96-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	4.4 mg/l			
Crustacea	Daphnia magna		48hEC50	2.79 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEC50	3.8 mg/l			
Crustacea	Daphnia magna		21dNOEC	0.01 mg/l			

permethrin (ISO), cas-no 52645-53-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Poecilia reticulata		96hLC50	0.0076 mg/l			
Crustacea	Daphnia magna		48hEC50	0.00017 mg/l			
Algae			72hEC50	0.5 mg/l			

propiconazole(ISO), cas-no 60207-90-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	4.3 mg/l			
Crustacea	Daphnia magna		48hEC50	10.2 mg/l			
Algae	Desmodesmus subspicatus		72hEC50	0.76 mg/l			

Very toxic to aquatic life with long lasting effects.

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12.2. Persistence and degradability

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		76 %			

2-(2-butoxyethoxy)ethanol, cas-no 112-34-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d			Readily biodegradable.	OECD 301 C	

tebuconazole (ISO), cas-no 107534-96-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		20 %	Not readily biodegradable.	OECD 301 C	

The product contains at least one substance that is water soluble. May spread in the environment.

12.3. Bioaccumulative potential

(2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	0.004			

2-(2-butoxyethoxy)ethanol, cas-no 112-34-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	1.00			

tebuconazole (ISO), cas-no 107534-96-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	3.7			
			BCF	78			

permethrin (ISO), cas-no 52645-53-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF Log Pow	5.95			

Test data are not available for all substances.

12.4. Mobility in soil

tebuconazole (ISO), cas-no 107534-96-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			KOC	769			

Test data are not available for all substances.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Contains at least one substance considered to have endocrine disrupting properties. propiconazole(ISO)

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Safety Data Sheet

Protim ME7 Clear

Replaces date: 21/02/2025

Revision date: 14/10/2025
Version: 3.0.0

Category of waste: EWC code: Depends on line of business and use, for instance 03 02 02* organochlorinated wood preservatives
EWC code: 15 01 10* packaging containing residues of or contaminated by hazardous substances
EWC code: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Hazard identification number:	90	Tunnel restriction code:	-

Inland water ways transport (ADN)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Transport in tank vessels:			

Sea transport (IMDG)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))	14.5. Environmental hazards:	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9	Environmental Hazardous Substance Name(s):	permethrin (ISO)
Hazard label(s):	9		
EmS:	F-A, S-F	IMDG Code segregation group:	- None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	3082	14.4. Packing group:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin (ISO))	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		

Safety Data Sheet

Protim ME7 Clear

Replaces date: 21/02/2025

Revision date: 14/10/2025
Version: 3.0.0

14.6. Special precautions for user

None.
Emergency Action Code: 3Z

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (as amended by the stationary UK REACH etc.).
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 (as amended).
Regulation (EU) of the European Parliament and of the Council concerning the making available on the market and use of biocidal products.

Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]

Authorisations / limitations: BPR-authorisation number NI-2020-1259-1-0004
Authorisation number: BPR-authorisation number GB-2020-1259-1-0004

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	14/10/2025		Periodic review with minor changes
2.0.0	21/02/2025		New Emergency Telephone Number in section 1.4
1.0.0	18/10/2022		New

Abbreviations: DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components.

Safety Data Sheet

Protim ME7 Clear

Replaces date: 21/02/2025

Revision date: 14/10/2025
Version: 3.0.0

Hazard statements

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H360D	May damage the unborn child.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Country: GB

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

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

1.1. Product identifier

Trade name: Protim Golden Yellow

UFI: 7EX3-C16J-0003-52F6

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

Recommended uses: Colouring agents, pigments.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Protim Solignum Limited, T/A Koppers Performance Chemicals
Address: Lingfield Way
Zip code: DL1 4QA
City: Darlington
Country: UNITED KINGDOM
Email: SDS-KPC@koppers.eu

1.4. Emergency Telephone Number

Europe, Middle East, Africa (24h): +44 20 3885 0382 (Chemtrec customer no. 1020401)
Asia, Oceania (24h): +65 3163 8374 (Chemtrec customer no. 1020401)
Americas (24h): 1-800-424-9300 or +1-703-527-3887 (Chemtrec customer no. 1020401)
Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Acute Tox. 4;H302 + H312
Skin Irrit. 2;H315
Eye Dam. 1;H318
Aquatic Acute 1;H400
Aquatic Chronic 1;H410

Most serious harmful effects: Harmful if swallowed or in contact with skin. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

2.2. Label elements

Pictograms



Signal word:

Warning

Contains

Substance:

acetic acid; C.I. Basic Yellow 28;

Hazard statements

H302 + H312

Harmful if swallowed or in contact with skin.

H315

Causes skin irritation.

H318

Causes serious eye damage.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

P391

Collect spillage.

P501

Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

PBT or vPvB: No known substances in amounts above 0.1%.

Endocrine disrupting properties: No known substances in amounts above 0.1%.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
acetic acid	64-19-7 200-580-7	10 < 25 %		Flam. Liq. 3;H226 Skin Corr. 1A;H314 25% ≤ C < 90%: Skin Corr. 1B; H314 C ≥ 90%: Skin Corr. 1A; H314 10% ≤ C < 25%: Skin Irrit. 2; H315 10% ≤ C < 25%: Eye Irrit. 2; H319
C.I. Basic Yellow 28	58798-47-3 261-448-2	10 < 25 %		Acute Tox. 4;H302 Acute Tox. 3;H311 Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Harmful in contact with skin. Harmful if swallowed. Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. May irritate the skin - may cause reddening.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam or water mist.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide. Nitrous gases.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Extinguishing water which has been in contact with the product may be corrosive.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Keep unnecessary personnel away. Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear safety goggles. Wear safety goggles/face protection.
For emergency responders:	In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Avoid contact with skin and eyes. Do not eat, drink or smoke during work. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging. To be stored safely out of reach of children and not together with food, feed, medicine and the like. Store in a cool, dry place. Store frost-free.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	Fiber/cm ³	Remarks	Comments
acetic acid	8h	10	25			
acetic acid	15m	20	50			

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles/face protection.

Personal protective equipment, hand protection: Wear gloves. Gloves must conform to EN 374. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Use process ventilation. If this is not possible, use respiratory equipment.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Liquid
Colour	Yellow
Odour	Characteristic
Solubility	Completely miscible

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Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	~ 4	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	~ 1.05 g/cm ³	@ 20°C.
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidisers. None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

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

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Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

Acute toxicity - oral

Protim Golden Yellow

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE(oral)		1.481 mg/kg			

C.I. Basic Yellow 28, cas-no 58798-47-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE(oral)		906 mg/kg			

Harmful if swallowed.

Acute toxicity - dermal

Protim Golden Yellow

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE(dermal)		1.185 mg/kg			

C.I. Basic Yellow 28, cas-no 58798-47-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE(dermal)		> 400 mg/kg			

Harmful in contact with skin.

Acute toxicity - inhalation: The product does not have to be classified. Test data are not available.

Skin corrosion/irritation: Irritating to skin - may cause reddening.

Serious eye damage/eye irritation: Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

SECTION 12: Ecological information

12.1. Toxicity

acetic acid, cas-no 64-19-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			96hLC50	> 1000 mg/l			
Crustacea			48hEC50	> 1000 mg/l			
Algae			72hErC50	> 1000 mg/l			

C.I. Basic Yellow 28, cas-no 58798-47-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Microorganisms		30 min	30minEC50	87 mg/l			
Fish			24hLC50	94 mg/l			
Crustacea			24hEC50	0.57 mg/l			
Algae			ErC50	0.21 mg/l			
Microorganisms			30minEC50	87 mg/l			

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

C.I. Basic Yellow 28, cas-no 58798-47-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 days	Dissolved organic carbon (DOC)	1 %			ECHA

The product contains at least one substance that is water soluble. May spread in the environment.

12.3. Bioaccumulative potential

acetic acid, cas-no 64-19-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF	3.16			
			Log Kow	-0.17			

C.I. Basic Yellow 28, cas-no 58798-47-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	0.96			

The product has not been tested.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	1760	14.4. Packing group:	III
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (acetic acid) (C.I. Basic Yellow 28)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	8		
Hazard label(s):	8		
Hazard identification number:	80	Tunnel restriction code:	E

Inland water ways transport (ADN)

14.1. UN number or ID number:	1760	14.4. Packing group:	III
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (acetic acid) (C.I. Basic Yellow 28)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	8		
Hazard label(s):	8		
Transport in tank vessels:			

Sea transport (IMDG)

14.1. UN number or ID number:	1760	14.4. Packing group:	III
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (acetic acid) (C.I. Basic Yellow 28)	14.5. Environmental hazards:	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	8	Environmental Hazardous Substance Name(s):	C.I. Basic Yellow 28
Hazard label(s):	8		
EmS:	F-A, S-B	IMDG Code segregation group:	Segr. grp. 1 - Acids (SGG1)

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number:	1760	14.4. Packing group:	III
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (acetic acid) (C.I. Basic Yellow 28)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	8		
Hazard label(s):	8		
14.6. Special precautions for user			

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: Health and Safety at Work etc. Act 1974 (as amended).
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 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (as amended by the stationary UK REACH etc.).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	13/03/2026		Periodic review with minor changes
2.0.0	31/01/2025		New Emergency Telephone Number in section 1.4
1.0.0	16/03/2023		New

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration

Safety Data Sheet

Protim Golden Yellow

Replaces date: 31/01/2025

Revision date: 13/03/2026
Version: 3.0.0

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components.

Hazard statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H302 + H312	Harmful if swallowed or in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Country:

GB

Safety Data Sheet

Antifoam AF1

Replaces date: 09/07/2025

Revision date: 15/07/2025
Version: 4.2.0

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

1.1. Product identifier

Trade name: Antifoam AF1
UFI: 24Q1-W165-T00Q-AK64

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

Recommended uses: Foam suppressor
Inadvisable uses: Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Protim Solignum Limited, T/A Koppers Performance Chemicals
Address: Lingfield Way
Zip code: DL1 4QA
City: Darlington
Country: UNITED KINGDOM
Email: SDS-KPC@koppers.eu

1.4. Emergency Telephone Number

Europe, Middle East, Africa (24h): +44 20 3885 0382 (Chemtrec customer no. 1020401)
Asia, Oceania (24h): +65 3163 8374 (Chemtrec customer no. 1020401)
Americas (24h): 1-800-424-9300 or +1-703-527-3887 (Chemtrec customer no. 1020401)
Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures.

2.2. Label elements

Precautionary statements

P302+352 IF ON SKIN: Wash with plenty of water.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.

Supplemental information

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3. Other hazards

None known.

Safety Data Sheet

Antifoam AF1

Replaces date: 09/07/2025

Revision date: 15/07/2025
Version: 4.2.0

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 EU: 01-2120761540-60-xxxx	< 0.036 %		Acute Tox. 4;H302 Skin Irrit. 2;H315 Skin Sens. 1A;H317 Eye Dam. 1;H318 Acute Tox. 2;H330 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 C ≥ 0.036%: Skin Sens. 1A;H317 ATE (dust/mist) (Acute toxicity - inhalation): 0.21 mg/l ATE (Acute toxicity - oral): 450 mg/kg bw M (acute): 1 M (chronic): 1
reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	55965-84-9 EU: 01-2120764691-48-xxxx	< 0.0015 %		Acute Tox. 3;H301 Acute Tox. 2;H310 + H330 Skin Corr. 1C;H314 Skin Sens. 1;H317 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410 EUH071 C ≥ 0.6%: Skin Corr. 1C; H314 0.06% ≤ C < 0.6%: Skin Irrit. 2;H315 C ≥ 0.6%: Eye Dam. 1;H318 0.06% ≤ C < 0.6%: Eye Irrit. 2;H319 C ≥ 0.0015%: Skin Sens. 1A;H317 M (acute): 100 M (chronic): 100

Please see section 16 for the full text of H- / EUH-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin contact:	Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
General:	When obtaining medical advice, show the safety data sheet or label.

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

May cause sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.

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

Treat symptoms.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Keep unnecessary personnel away. Stop leak if this can be done without risk. Wear gloves. Wear safety goggles if there is a risk of eye splash.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Take off contaminated clothing and wash before reuse. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature: >5 °C. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area. Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements.

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Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020. Control of Lead at Work Regulations 2002. Control of Asbestos Regulations 2012.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 16321.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile rubber. Gloves must conform to EN 374. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Liquid
Colour	White
Odour	Almost odourless.
Solubility	Miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	~ 100 °C	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point	> 150 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	6 - 8	
Kinematic viscosity	150 - 500 cSt	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

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9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Non-explosive
Oxidising properties		Non-oxidising.

Other Information: VOC (Volatile organic compounds): 0.5%

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidisers. Avoid unintended contact with the following:

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

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

Acute toxicity - oral:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Acute toxicity - dermal:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Acute toxicity - inhalation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Skin corrosion/irritation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Serious eye damage/eye irritation:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Respiratory sensitisation or skin sensitisation:	The product contains small amounts of 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1). Persons with a known allergy may exhibit an allergic response to the product.
Germ cell mutagenicity:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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Carcinogenic properties:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Reproductive toxicity:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Single STOT exposure:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Repeated STOT exposure:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Aspiration hazard:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Mixable with water. May spread in the aquatic environment. Not expected to be biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Expected to be mobile in soil.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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Category of waste: EWC code: Depends on line of business and use, for instance 16 03 05* organic wastes containing hazardous substances
EWC code: 15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
EWC code: 15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable. **14.4. Packing group:** Not applicable.
14.2. UN proper shipping name: Not applicable. **14.5. Environmental hazards:** Not applicable.
14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (as amended by the stationary UK REACH etc.).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
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 (as amended).
Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
4.2.0	15/07/2025		Adjustment of errors in sect. 3
4.1.0	09/07/2025		EU REACH reg. no. added in section 3
4.0.0	18/06/2025		Formulation change, same classification
3.0.0	16/05/2025		Periodic revision, change in formulation to less hazardous classification
2.0.0	13/02/2025		New Emergency Telephone Number in section 1.4
1.0.0	04/10/2022		New

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Abbreviations:

DNEL: Derived No Effect Level
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Concentration
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components.

Hazard statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310 + H330	Fatal in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information

EUH071	Corrosive to the respiratory tract.
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Country:

GB