SAFETY DATA SHEET

Wickes Metal Paint Smooth Finish (water based)

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

1.1 Product identifier

Product name : Wickes Metal Paint Smooth Finish (water based)

Product description : Paint

Product type : Liquid.

UFI : 9AM1-G05F-5009-1KJF

Product code : PRLTOR0087

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

Identified uses
Consumer Industrial Professional

Uses advised against	Reason
None identified.	-

1.3 Details of the supplier of the safety data sheet

Wickes
Vision House
19 Colonial Way
Watford
WD24 4JL
0330 123 4123
www.wickes.co.uk

e-mail address of person responsible for this SDS : rpmeurohas@rustoleum.eu

1.4 Emergency telephone number

National advisory body/Poison Centre

Supplier

Telephone number United Kingdom: Great Britain : +44 870 8200418 / +44 2038073798

Hours of operation : 24 / 7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

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

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

2.2 Label elements

Signal word : No signal word.

Hazard statements : H412 - Harmful to aquatic life with long lasting effects.

SECTION 2: Hazards identification

Precautionary statements

General : P103 - Read carefully and follow all instructions.
P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention : P280 - Wear protective gloves.

Response : Not applicable.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : EUH208 - Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol, 1,2-benzisothiazol-3(2H)-one (BIT) and 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) (C(M)IT/MIT (3:1)). May produce an allergic reaction.
EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Supplemental label elements : Detergents - Regulation (EC) No 907/2006 : Not applicable.

EU Biocidal Products Regulation (BPR), Article 58(3) Statement : Contains a biocidal product (in-can preservative):(BIT)

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Type
(2-methoxymethylethoxy)propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤3	Not classified.	[2]
2,4,7,9-tetramethyldec-5-yne-4,7-diol	REACH #: 01-2119954390-39 EC: 204-809-1 CAS: 126-86-3	<1	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
ammonia	REACH #: 01-2119488876-14 EC: 215-647-6 CAS: 1336-21-6	≤0,3	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400	[1] [2]

SECTION 3: Composition/information on ingredients

	Index: 007-001-01-2		(M=1) Aquatic Chronic 2, H411	
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤0,3	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
1,2-benzisothiazol-3(2H)-one (BIT)	REACH #: 01-2120761540-60 EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6	<0,036	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
pyrithione zinc	REACH #: 01-2119511196-46 EC: 236-671-3 CAS: 13463-41-7 Index: 613-333-00-7	<0,01	Acute Tox. 3, H301 Acute Tox. 2, H330 Eye Dam. 1, H318 Repr. 1B, H360D STOT RE 1, H372 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=10)	[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) (C(M)IT/MIT (3:1))	REACH #: 01-2120764691-48 CAS: 55965-84-9 Index: 613-167-00-5	<0,0015	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 **See Section 16 for the full text of the H statements declared above.**	[1]

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

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
This mixture contains ≥ 1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SECTION 4: First aid measures

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

Additional information : No unusual hazard if involved in a fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

SECTION 6: Accidental release measures

6.2 Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

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

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Do not store below the following temperature: 0°C (32°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
(2-methoxymethylethoxy)propanol	**EH40/2005 WELs (United Kingdom (UK), 1/2020)** Absorbed through skin. TWA 8 hours: 308 mg/m³. TWA 8 hours: 50 ppm.
ammonia	**EH40/2005 WELs (United Kingdom (UK), 1/2020) [ammonia]** STEL 15 minutes: 25 mg/m³. Form: anhydrous. STEL 15 minutes: 35 ppm. Form: anhydrous. TWA 8 hours: 25 ppm. Form: anhydrous. TWA 8 hours: 18 mg/m³. Form: anhydrous.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Result	Value	Effects
(2-methoxymethylethoxy)propanol	**DNEL - Workers - Long term - Dermal**	65 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	310 mg/m³	Effects: Systemic
	DNEL - General population - Consumers - Long term - Dermal	15 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Consumers - Long term - Inhalation	37,2 mg/m³	Effects: Systemic
	DNEL - General population - Consumers - Long term - Oral	1,67 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	0,2 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Dermal	0,00414 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Inhalation	0,043 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Dermal	0,0021 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	308 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Dermal	283 mg/kg bw/day	Effects: Systemic

SECTION 8: Exposure controls/personal protection

	DNEL - General population - Long term - Inhalation	37,2 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Dermal	121 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Long term - Oral	36 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Long term - Oral	36 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Long term - Inhalation	37,2 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Dermal	121 mg/kg bw/ day	Effects: Systemic
	DNEL - Workers - Long term - Dermal	283 mg/kg bw/ day	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	308 mg/m³	Effects: Systemic
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**DNEL - Workers - Short term - Dermal**	1,5 mg/kg	Effects: Systemic
	DNEL - General population - Short term - Dermal	0,75 mg/kg	Effects: Systemic
	DNEL - General population - Long term - Inhalation	0,43 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Dermal	0,5 mg/kg	Effects: Systemic
	DNEL - General population - Short term - Oral	0,75 mg/kg	Effects: Systemic
	DNEL - General population - Short term - Inhalation	1,29 mg/m³	Effects: Systemic
	DNEL - Workers - Short term - Inhalation	5,28 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Oral	0,25 mg/kg	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	1,76 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Dermal	0,25 mg/kg	Effects: Systemic
ammonia	**DNEL - Workers - Short term - Inhalation**	36 mg/m³	Effects: Local
	DNEL - Workers - Long term - Inhalation	14 mg/m³	Effects: Local
	DNEL - Workers - Short term - Inhalation	47,6 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	47,6 mg/m³	Effects: Systemic

SECTION 8: Exposure controls/personal protection

	DNEL - Workers - Short term - Dermal	6,8 mg/kg bw/ day	Effects: Systemic
	DNEL - Workers - Long term - Dermal	6,8 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Long term - Inhalation	2,8 mg/m³	Effects: Local
	DNEL - General population - Long term - Inhalation	23,8 mg/m³	Effects: Systemic
	DNEL - General population - Short term - Dermal	68 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Short term - Oral	6,8 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Long term - Oral	6,8 mg/kg bw/ day	Effects: Systemic
	DNEL - Workers - Short term - Inhalation	28 mg/m³	Effects: Local
	DNEL - Workers - Long term - Inhalation	14 mg/m³	Effects: Local
zinc oxide	**DNEL - Workers - Long term - Inhalation**	5 mg/m³	Effects: Systemic
	DNEL - General population - Consumers - Long term - Inhalation	2,5 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Dermal	83 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Consumers - Long term - Dermal	83 mg/kg bw/ day	Effects: Systemic
	DNEL - General population - Consumers - Long term - Oral	0,83 mg/kg bw/ day	Effects: Systemic
1,2-benzisothiazol-3(2H)-one (BIT)	**DNEL - Workers - Long term - Inhalation**	6,81 mg/m³	Effects: Systemic
	DNEL - General population - Long term - Inhalation	1,2 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Dermal	0,966 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Dermal	0,345 mg/kg bw/day	Effects: Systemic
pyrithione zinc	**DNEL - Workers - Long term - Dermal**	0,01 mg/kg bw/ day	Effects: Systemic
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) (C(M)IT/MIT (3:1))	**DNEL - Workers - Long term - Inhalation**	0,02 mg/m³	Effects: Local

SECTION 8: Exposure controls/personal protection

	DNEL - Workers - Short term - Inhalation	0,04 mg/m³	Effects: Local
	DNEL - General population - Long term - Inhalation	0,02 mg/m³	Effects: Local
	DNEL - General population - Short term - Inhalation	0,04 mg/m³	Effects: Local
	DNEL - General population - Long term - Oral	0,09 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Short term - Oral	0,11 mg/kg bw/day	Effects: Systemic

PNECs

Product/ingredient name	Result	Value	Remarks
(2-methoxymethylethoxy)propanol	**Fresh water - Assessment Factors**	19 mg/l	-
	Marine - Assessment Factors	1,9 mg/l	-
	Fresh water sediment	70,2 mg/kg dwt	-
	Marine water sediment	7,02 mg/kg dwt	-
	Soil	2,74 mg/kg	-
	Sewage Treatment Plant	4168 mg/l	-
	Fresh water	0,00128 mg/l	-
	Marine water	0,0004 mg/l	-
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**Marine water**	0,004 mg/l	-
	Soil	0,028 mg/kg	-
	Sewage Treatment Plant	7 mg/l	-
	Fresh water sediment	0,32 mg/kg	-
	Fresh water	0,04 mg/l	-
	Marine water sediment	0,032 mg/kg	-
ammonia	**Fresh water**	0,0011 mg/l	-
	Marine water	0,0011 mg/l	-
	Fresh water	0,165 mg/l	-
	Marine water	0,0165 mg/l	-
	Sewage Treatment Plant	8,58 mg/l	-
	Fresh water sediment	0,0165 mg/kg	-
	Soil	32,3 mg/kg	-
zinc oxide	**Fresh water**	25,6 µg/l	-
	Marine	7,6 µg/l	-
		64,7 µg/l	-

SECTION 8: Exposure controls/personal protection

	Sewage Treatment Plant		
	Fresh water sediment	146 mg/kg dwt	-
	Marine water sediment	70,3 mg/kg dwt	-
	Soil	44,3 mg/kg dwt	-
	Fresh water	20,6 µg/l	-
	Marine water	6,1 µg/l	-
	Fresh water sediment	117,8 mg/kg	-
	Marine water sediment	56,5 mg/kg	-
	Soil	35,6 mg/kg	-
	Sewage Treatment Plant	100 µg/l	-
1,2-benzisothiazol-3(2H)-one (BIT)	**Fresh water**	0,00403 mg/l	-
	Marine water	0,000403 mg/l	-
	Sewage Treatment Plant	1,03 mg/l	-
	Fresh water sediment	0,0499 mg/kg dwt	-
	Marine water sediment	0,00499 mg/kg dwt	-
	Soil	3 mg/kg dwt	-
pyrithione zinc	**Fresh water**	0,00009 mg/l	-
	Marine water	0,00009 mg/l	-
	Sewage Treatment Plant	0,01 mg/l	-
	Marine water sediment	0,0095 mg/kg	-
	Fresh water sediment	0,0095 mg/kg	-
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) (C(M)IT/MIT (3:1))	**Fresh water**	0,00339 mg/l	-
	Marine water	0,00339 mg/l	-
	Sewage Treatment Plant	0,23 mg/l	-
	Fresh water sediment	0,027 mg/kg	-
	Marine water sediment	0,027 mg/kg	-
	Soil	0,01 mg/kg	-

8.2 Exposure controls

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

Individual protection measures

SECTION 8: Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: safety glasses with side-shields

Skin protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
The breakthrough time must be greater than the end use time of the product.
The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Always ensure that gloves are free from defects and that they are stored and used correctly.
The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): nitrile rubber (0.5mm)

The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: (EN 467) Wear overalls or long sleeved shirt.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapour filter (Type A) particulate filter (EN 140)

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Physical state : Liquid.

Colour : Black. White. Green. Grey.

Odour : Not available.

SECTION 9: Physical and chemical properties

Odour threshold : Not available.

Melting point/freezing point : 0°C [Literature (water)]

Initial boiling point and boiling range : 100°C (212°F) [Literature (water)]

Flammability (solid, gas) : Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. Non-flammable but will burn on prolonged exposure to flame or high temperature.

Lower and upper explosion limit : Does not contain sufficient volatile flammable components to form an explosive atmosphere under normal conditions of use.

Flash point : Not relevant due to nature of the product.

Auto-ignition temperature : Not relevant due to nature of the product.

Decomposition temperature : Not available.

pH : 6 to 8 [Conc. (% w/w): 100%] [OECD 122]

pH : Justification : Not available.

Viscosity : Dynamic (room temperature): 1000 to 1100 mPa·s [ICI Rotothinner]
Kinematic (room temperature): 794 to 1067 mm^2/s [calculated.]
Kinematic (40°C): Not available.

Solubility(ies) :

Media	Result
cold water	Soluble
hot water	Soluble
methanol	Very slightly soluble
acetone	Very slightly soluble

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Vapour pressure : 2,3 kPa (17,25 mm Hg) [Literature (water)]

Evaporation rate : <1 (butyl acetate = 1) [Literature]

Relative density : Not available.

Density : 1,031 to 1,26 g/cm^3 [20°C (68°F)] [DIN 53217]

Vapour density : >1 [Air = 1]

Explosive properties : Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
No unusual hazard if involved in a fire.

Oxidising properties : Not available.

Particle characteristics

Median particle size : Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Value
(2-methoxymethylethoxy)propanol	**Rat - Dermal - LD50**	9500 mg/kg
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**Rat - Oral - LD50**	4600 mg/kg
	Rat - Inhalation - LC50 Vapour	>20 mg/l [4 hours]
	Rat - Inhalation - LC50 Dusts and mists	>20 mg/l [4 hours]
ammonia	**Rat - Oral - LD50**	350 mg/kg
	Rat - Inhalation - LC50 Vapour	7035 mg/m³ [30 minutes]
	Rat - Inhalation - LC50 Vapour	2000 mg/m³ [4 hours]
	Human/30 min - Inhalation - LC50 Vapour	5000 mg/m³ [0,5 hours]
zinc oxide	**Rat - Oral - LD50**	>15 g/kg
	Mouse - Inhalation - LC50 Dusts and mists	2500 mg/m³ [4 hours]
1,2-benzisothiazol-3(2H)-one (BIT)	**Rat - Male - Oral - LD50**	490 mg/kg
	Rat - Male, Female - Inhalation - LC50 Dusts and mists	0,5 mg/l [4 hours]
	Rat - Inhalation - LC50 Dusts and mists	0,11 mg/l [4 hours]
pyrithione zinc	**Rat - Oral - LD50**	177 mg/kg
	Rabbit - Dermal - LD50	100 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	140 mg/m³ [4 hours]
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) (C(M)IT/MIT (3:1))	**Rabbit - Dermal - LD50**	92,4 mg/kg
	Rat - Oral - LD50	64 mg/kg
	Rat - Male, Female - Inhalation - LC50 Dusts and mists	0,171 mg/l [4 hours]

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary
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) (C(M)IT/MIT (3:1))	Toxic if swallowed.

SECTION 11: Toxicological information

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
(2-methoxymethylethoxy)propanol	N/A	9500	N/A	N/A	N/A
2,4,7,9-tetramethyldec-5-yne-4,7-diol	4600	N/A	N/A	N/A	N/A
1,2-benzisothiazol-3(2H)-one (BIT)	450	N/A	N/A	N/A	0,21
pyrithione zinc	221	N/A	N/A	N/A	0,14
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) (C(M)IT/MIT (3:1))	64	92,4	N/A	N/A	0,171

Skin corrosion/irritation

Product/ingredient name	Result	Exposure	Observation
(2-methoxymethylethoxy)propanol	**Rabbit - Skin - Mild irritant**	Amount/concentration applied: 500 mg	-
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**Rabbit - Skin - Mild irritant**	Amount/concentration applied: 0.5 gm	-
zinc oxide	**Rabbit - Skin - Mild irritant**	Amount/concentration applied: 500 mg	-
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) (C(M)IT/MIT (3:1))	**Human - Skin - Severe irritant**	Amount/concentration applied: 0.01 %	-
	Rabbit - Skin - Severe irritant	-	Observation period: 1 to 4 hours

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary
(2-methoxymethylethoxy)propanol	Non-irritating to the skin.
2,4,7,9-tetramethyldec-5-yne-4,7-diol	Non-irritating to the skin.
ammonia	Corrosive to the skin.
zinc oxide	Non-irritating to the skin.
1,2-benzisothiazol-3(2H)-one (BIT)	Causes skin irritation.
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) (C(M)IT/MIT (3:1))	Fatal in contact with Skin

Serious eye damage/eye irritation

Product/ingredient name	Result	Exposure	Observation
(2-methoxymethylethoxy)propanol	**Human - Eyes - Mild irritant**	Amount/concentration applied: 8 mg	-
	Rabbit - Eyes - Mild irritant	Amount/concentration applied: 500 mg	-
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**Rabbit - Eyes - Severe irritant**	Amount/concentration applied: 0.1 Ml	-
ammonia	**Rabbit - Eyes - Severe**	Amount/concentration	-

SECTION 11: Toxicological information

	irritant	applied: 250 ug	
	Rabbit - Eyes - Severe irritant	Amount/concentration applied: 44 ug	-
	Rabbit - Eyes - Severe irritant	Amount/concentration applied: 1 mg	-
zinc oxide	**Rabbit - Eyes - Mild irritant**	Amount/concentration applied: 500 mg	-
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) (C(M)IT/MIT (3:1))	**Rabbit - Eyes - Severe irritant**	-	-

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary
(2-methoxymethylethoxy)propanol	Non-irritating to the eyes.
ammonia	Causes serious eye damage.
zinc oxide	Non-irritating to the eyes.
1,2-benzisothiazol-3(2H)-one (BIT)	Risk of serious damage to eyes.
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) (C(M)IT/MIT (3:1))	Risk of serious damage to eyes.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary
ammonia	May cause respiratory irritation.
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) (C(M)IT/MIT (3:1))	May be fatal if swallowed and enters airways.

Respiratory or skin sensitization

Product/ingredient name	Species - Route of exposure	Result
(2-methoxymethylethoxy)propanol	**Guinea pig - skin**	Result: Not sensitizing
2,4,7,9-tetramethyldec-5-yne-4,7-diol	**Mouse - skin**	Result: Sensitising
1,2-benzisothiazol-3(2H)-one (BIT)	**Guinea pig - skin**	Result: Sensitising
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) (C(M)IT/MIT (3:1))	**Guinea pig - skin**	Result: Sensitising

Skin

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary

SECTION 11: Toxicological information

(2-methoxymethylethoxy)propanol	Non-sensitiser to skin.
zinc oxide	Non-sensitiser to skin.
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) (C(M)IT/MIT (3:1))	Strong Skin Sensitizer

Respiratory

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Ingredient name	Conclusion/Summary
zinc oxide	None sensitizor
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) (C(M)IT/MIT (3:1))	Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Product/ingredient name	Species - Route of exposure	Result
(2-methoxymethylethoxy)propanol	**Bacteria**	Result: Negative

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
ammonia	STOT SE 3, H335 (Respiratory tract irritation)

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
pyrithione zinc	STOT RE 1, H372

Aspiration hazard

Not available.

Information on likely routes of exposure

Routes of entry anticipated: Oral, Inhalation, Eyes.
Routes of entry not anticipated: Dermal.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

SECTION 11: Toxicological information

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species
(2-methoxymethylethoxy)propanol	4168 mg/l	Bacteria
	0,5 mg/l [22 days]	Daphnia spec.
2,4,7,9-tetramethyldec-5-yne-4,7-diol	36 mg/l [96 hours]	Fish - Fathead minnow
	42 mg/l [24 hours]	Fish
	91 mg/l [48 hours]	Daphnia spec.
	42 mg/l [96 hours]	Fish
	15 mg/l [72 hours]	Aquatic plants - Algae
ammonia	17 mg/l [24 hours]	Fish - Goldfish (carassius auratus)
	7 mg/l [48 hours]	Fish - Fathead minnow
	110 mg/l [48 hours]	Daphnia spec. - Daphnia spec.
	0,89 mg/l [96 hours]	Fish - Rainbow trout (oncorhynchus mykiss)

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	0,06 mg/l [27 days]	Fish
	0,79 mg/l [96 hours]	Daphnia spec.
	0,42 mg/l [21 days]	Daphnia spec.
zinc oxide	98 µg/l [48 hours]	Daphnia spec. - Water flea - Neonate
	46 µg/l [72 hours]	Algae - Green algae - Exponential growth phase
	0,481 mg/l [48 hours]	Daphnia spec. - Water flea - Neonate
	0,413 mg/l [48 hours]	Daphnia spec.
	0,082 mg/l [7 days]	Daphnia spec.
	0,137 mg/l [72 hours]	Algae
	0,019 mg/l [7 days]	Algae
	0,33 to 0,78 mg/l [96 hours]	Fish - Rainbow trout (oncorhynchus mykiss)
	0,024 mg/l [72 hours]	Algae
	0,199 mg/l [30 days]	Fish - Rainbow trout (oncorhynchus mykiss)
	0,037 mg/l [21 days]	Daphnia spec.
1,2-benzisothiazol-3(2H)-one (BIT)	0,067 mg/l [72 hours]	Algae
	2,94 mg/l [48 hours]	Daphnia spec. - Daphnia spec.
	0,9893 mg/l [96 hours]	Crustaceans
	0,21 mg/l [28 days]	Fish - Rainbow trout (oncorhynchus mykiss)
	1,2 mg/l [21 days]	Daphnia spec. - Daphnia spec.
	90 mg/l [20 days]	Aquatic plants
	8 to 13 mg/l [96 hours]	Fish
	2,18 mg/l [96 hours]	Fish - Rainbow trout (oncorhynchus mykiss)
	0,11 mg/l [72 hours]	Algae - Algae
	0,0403 mg/l [72 hours]	Algae - Algae
	167 ppb [96 hours]	Fish - Rainbow trout,donaldson trout
	97 ppb [48 hours]	Daphnia spec. - Water flea
pyrithione zinc	80 µg/l [48 hours]	Crustaceans - Water flea
	61 µg/l [48 hours]	Daphnia spec. - Water flea - Nauplii
	0,51 µg/l [96 hours]	Algae - Diatom
	0,36 µg/l [96 hours]	Algae - Diatom
	2,7 ppb [21 days]	Daphnia spec. - Water flea

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	8,25 ppb [48 hours]	Daphnia spec. - Water flea
	2,68 ppb [96 hours]	Fish - Fathead minnow
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) (C(M)IT/MIT (3:1))	0,037 mg/l [48 hours]	Algae
	0,18 mg/l [21 days]	Daphnia spec. - Daphnia spec.
	0,16 mg/l [48 hours]	Daphnia spec.
	0,19 mg/l [96 hours]	Fish - Rainbow trout (oncorhynchus mykiss)
	0,004 mg/l [48 hours]	Algae
	0,02 mg/l [38 days]	Fish - Rainbow trout (oncorhynchus mykiss)

Conclusion/Summary [Product] : Harmful to aquatic life with long lasting effects.

Ingredient name	Conclusion/Summary
ammonia	Harmful to aquatic life.due to PH-shift

12.2 Persistence and degradability

Product/ingredient name	Test	Result
(2-methoxymethylethoxy)propanol	-	75% [28 days] - Readily
	-	93% [13 days] - Readily
1,2-benzisothiazol-3(2H)-one (BIT)	-	>90% [1 days] - Readily
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) (C(M)IT/MIT (3:1))	-	>60% [28 days] - Readily
	-	<50% [10 days]

Conclusion/Summary [Product] : This product has not been tested for biodegradation. Based on available data, the classification criteria are not met.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Wickes Metal Paint Smooth Finish (water based)	-	-	Inherent
(2-methoxymethylethoxy) propanol	-	>50%; <1 day(s)	Readily
2,4,7,9-tetramethyldec-5-yne-4,7-diol	-	-	Not readily
ammonia	-	-	Readily
zinc oxide	-	-	Not readily
1,2-benzisothiazol-3(2H)-one (BIT)	-	-	Readily

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pyrithione zinc	-	-	Inherent
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) (C(M)IT/MIT (3:1))	-	-	Inherent

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
(2-methoxymethylethoxy) propanol	0,004	<100	Low
2,4,7,9-tetramethyldec-5-yne-4,7-diol	2,8	-	Low
ammonia	-1,3	-	Low
zinc oxide	-	28960	High
1,2-benzisothiazol-3(2H)-one (BIT)	0,64	-	Low
pyrithione zinc	0,9	11 [OECD 305 E]	Low
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) (C(M)IT/MIT (3:1))	-0.83 to 0.75	-	Low

12.4 Mobility in soil

Soil/water partition coefficient : Not available.

Mobility : Nonvolatile liquid.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
(2-methoxymethylethoxy) propanol	No	N/A	No	No	No	N/A	No
2,4,7,9-tetramethyldec-5-yne-4,7-diol	No	N/A	N/A	No	N/A	N/A	N/A
ammonia	No	No	No	No	No	No	No
zinc oxide	No	No	No	No	No	No	No
1,2-benzisothiazol-3(2H)-one (BIT)	No	N/A	N/A	No	N/A	N/A	N/A
pyrithione zinc	No	N/A	No	Yes	No	N/A	No
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) (C(M)IT/MIT (3:1))	N/A	N/A	N/A	Yes	N/A	N/A	N/A

12.6 Other adverse effects

: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1 Waste treatment methods

Product

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

Hazardous waste : Yes.

Waste catalogue

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

Additional information ADR

-

Tunnel code : Not available.

Special Packing Provisions : Not available.

Special provisions : Not available.

Additional information ADN

-

Special provisions : Not available.

Additional information IMDG

-

Emergency schedules : Not available.

SECTION 14: Transport information

Segregation Group : Not available.

Segregation code : Not available.

Special provisions : Not available.

Additional information IATA

-

Passenger and Cargo Aircraft :

Cargo aircraft :

Limited Quantities - Passenger Aircraft :

Special provisions : Not available.

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

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed above the relevant limit.

Substances of very high concern

None of the components are listed above the relevant limit.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
Wickes Metal Paint Smooth Finish (water based)	≥90	3

Labelling : Not applicable.

Other EU regulations

VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

VOC for Ready-for-Use Mixture : IIA/i. One-pack performance coatings. EU limit value for this product : 140g/l (2010.) This product contains a maximum of 140 g/l VOC.

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

SECTION 15: Regulatory information

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

CN code : 3209 90 00 00

Inventory list

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Eurasian Economic Union : **Russian Federation inventory**: Not determined.

Japan : **Japan inventory (CSCL)**: At least one component is not listed.
Japan inventory (ISHL): Not determined.

New Zealand : All components are listed or exempted.

Philippines : At least one component is not listed.

Republic of Korea : Not determined.

Taiwan : At least one component is not listed.

Thailand : Not determined.

Turkey : Not determined.

United States : At least one component is not listed.

Viet Nam : Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
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.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Repr. 1B	REPRODUCTIVE TOXICITY - Category 1B
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

Date of printing : 24/08/2025

Date of issue/ Date of revision : 24/08/2025

Date of previous issue : 22/08/2025

Version : 5.04

Notice to reader

SECTION 16: Other information

IMPORTANT NOTE: The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.