The following technical datasheet is provided by Junckers.

For further information please either give us a call or visit the manufacturer's website.

Spilsby Road • Harold Hill • Romford • RM3 8SB • **T** 020 8501 6730 • **E** info@wfa.uk.net • **W** www.wfa.uk.net

Registered in England under Company No: 03746590 VAT No: 765 9995 45

MT500 FLOOR LACQUER PRODUCT INFORMATION

GENERAL DESCRIPTION

One-component low odour water-based floor lacquer. For wooden floors in heavy traffic residential areas and lighter traffic commercial floors.

Offers the ease of use of a one-component product with excellent levelling and flow characteristics. The product is ideal for use on previously sealed and untreated floors.

When lacquering an untreated floor or a floor sanded to bare wood, use one of Junckers' primers prior to the finishing top seal.

MT500 Floor Lacquer has received the Danish Indoor Climate Labelling. A product with this labelling has undergone extensive volatile emission and odour tests. This ensures that there are no chemical substances in the product which adversely affect the air quality in the room.

For professional and private use.

PRODUCT DESCRIPTION

Product: Co-polymer polyurethane/acrylic lacquer.

Package sizes:
2½ litres: Matt and silk matt
5 litres: Ultramatt, matt and silk matt
10 litres: Matt and silk matt

Appearance:
Creamy/milky in the container. Colourless film when dry.

TECHNICAL DATA

Coverage: 10 m² per litre.

Before application: Shake/stir well before use.

Application tools: Brush, roller, air/airless spray. Do not apply by pouring out the lacquer directly onto the floor.

Substrate temperature: 15-25 °C.

Dilution: Not recommended.

Drying time at 20 °C and 50 % RH: Approx. 4 hours. Ready for light traffic: 8 hours. Fully cured after 72 hours. Apply only 2 coats of lacquer per day.

RH: Water-based products have a certain gluing effect and are therefore only recommended to be used in rooms with a stable humidity. This means that the difference between the highest and lowest relative humidity should not fluctuate more than 30 % over the year.

Cleaning of tools: Soap and water immediately after use.

Storage: Lasts for 1 year if unopened and stored at 20 °C. Not to be exposed to temperatures below 5 °C.

Manufacturer:
Junckers Industrier A/S
www.junckers.com

Denmark:+45 70 80 30 00 / teknik@junckers.com
ExportDept.:+45 70 80 30 00/ export@junckers.com

Junckers Ltd. +44 1376 534700 / tech@junckers.co.uk
Junckers Hardwood (USA) +1 800 878-9663 / info@junckershardwood.com
Junckers France S.A. +33 5 5944 8518 / commercial@junckers-france.fr
Junckers Iberica S.A. +34 915 075 719 / info@junckers.es
Junckers S.r.l. +39 348 4405255 / info@junckers.it
Junckers Parkett GmbH. +49 0351-84387077 / info@junckers.de

SYSTEM RECOMMENDATIONS

1 coat WB Primer 8 m²/litre + 2 coats MT500 Floor Lacquer 10 m²/litre.

DIRECTIONS FOR USE

Untreated/sanded floors:
Ensure that the surface is absolutely clean, dry and free from dust, wax, grease, polish, soap residues etc. Sand the surface to remove dirt and irregularities. Vacuum thoroughly and wipe off with a cloth well wrung in clean water.

- Apply one coat of Junckers WB Primer and leave to dry according to recommendation.
- Sand with sandpaper grit 150-180 along the fibres of the wood.
- Vacuum sanding dust and wipe off with a cloth well wrung in clean water.
- Apply one coat of MT500 Floor Lacquer.
- Leave to dry overnight and then apply the final coat.
- Adhesion properties are optimized if the surface is sanded with sandpaper grit 150-180 before the final coat of lacquer. If the final coat of lacquer is applied after more than 24 hours, sanding must always be carried out.

Previously sealed floors:

- Wash with Junckers Neutralizer.
- Sand thoroughly using grit 150-180.
- Vacuum sanding dust and wipe off with a cloth well wrung in clean water.
- Apply one coat of MT500 Floor Lacquer and leave to dry.
- Before lacquering the full area, it is recommended to conduct a trial application on a smaller area.

How to conduct a trial application:
Lacquer a couple of spots, 2 coats at 4 hours interval. After drying for 24 hours check the spots for adhesion by scraping with the edge of a coin. If the adhesion is functioning and the appearance of the surface is acceptable, the floor can be lacquered. If the result is not acceptable, continue as described under “Wax/polish treated floors”.

Wax/polish treated floors:

- Machine sand by first using grit 24-36 to strip old coats.
- Then remove abrasion marks using grit 60-80.
- Finally, use grit 120-150 to obtain a completely smooth surface. Vacuum thoroughly.
- Treat the floor as described under “Untreated/sanded floors”.

PRECAUTIONARY MEASURES

Before using the product, read the label on the container carefully and observe the recommended precautionary measures. See Safety Data Sheet for detailed information.

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FURTHER INFORMATION

Products:

F 5.3 - Junckers WB Primer

F 10.3 - Junckers Neutralizer

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SAFETY DATA SHEET

MT500 FLOOR LACQUER

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

1.1. Product identifier

Trade name

MT500 FLOOR LACQUER

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

Relevant identified uses of the substance or mixture

Lacquering of wooden floors.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Junckers Industrier A/S
Vaerftsvej 4
4600 Koege
Denmark
Tel. +45 70 80 30 00

Importer

Junckers Ltd.
Warren Park, 5 Warren Yard, Wolverton Mill
Milton Keynes MK12 5NW
Tel. 0 1376 534 700

E-mail

productsafety@junckers.dk

Revision

28/08/2023

SDS Version

4.1

Date of previous version

10/07/2023 (4.0)

1.4. Emergency telephone number

National Poisons Information Service (NPIS): Call 111 (24 h service).
See section 4 for first aid measures.

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

-

Prevention

-

Response
-
Storage
-
Disposal
-

Hazardous substances
None known.

Additional labelling
EUH208, Contains 1,2-Benzisothiazol-3(2H)-one (BIT), 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1)), 2-Methyl-2H-isothiazol-3-one (MIT). May produce an allergic reaction.
EUH210, Safety data sheet available on request.

VOC
VOC content: ≤ 60 g/L
MAXIMUM VOC CONTENT (Phase II, category A/i (WB): 140 g/L)

2.3. Other hazards

Additional warnings
This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
(2-Methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 UK-REACH: Index No.:	3-5%		[1]
Propane-1,2-diol, propoxylated	CAS No.: 25322-69-4 EC No.: UK-REACH: Index No.:	<1,5%	Acute Tox. 4, H302	
Triethylamine	CAS No.: 121-44-8 EC No.: 204-469-4 UK-REACH: Index No.: 612-004-00-5	<1%	Flam. Liq. 2, H225 Acute Tox. 4, H302 (ATE: 730.00 mg/kg) Acute Tox. 3, H311 (ATE: 580.00 mg/kg) Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 3, H331 (ATE: 7.22 mg/L) STOT SE 3, H335 (SCL: 1.00 %)	[1]
1,2-Benzisothiazol-3(2H)-one (BIT)	CAS No.: 2634-33-5 EC No.: 220-120-9 UK-REACH: Index No.: 613-088-00-6	<0,03%	Acute Tox. 4, H302 (ATE: 490.00 mg/kg) Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	
5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))	CAS No.: 55965-84-9 EC No.: 911-418-6 UK-REACH: Index No.: 613-167-00-5	<0,0015%	EUH071 Acute Tox. 3, H301 (ATE: 64.00 mg/kg) Acute Tox. 2, H310 (ATE: 87.00 mg/kg) Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Irrit. 2, H315 (SCL: 0.06 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 (SCL: 0.60 %) Eye Irrit. 2, H319 (SCL: 0.06 %) Acute Tox. 2, H330	

			Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
2-Methyl-2H-isothiazol-3-one (MIT)	CAS No.: 2682-20-4 EC No.: 220-239-6 UK-REACH: Index No.:	<0,0015%	EUH071 Acute Tox. 3, H301 (ATE: 120.00 mg/kg) Acute Tox. 3, H311 (ATE: 242.00 mg/kg) Skin Corr. 1B, H314 Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

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

Other information

[1] European occupational exposure limit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.
Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.
Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

Treat symptomatically.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are

exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. ▼Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, soil, vermiculite or similar to collect liquid material. Subsequently, place in a suitable waste container.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

> 5 °C

Incompatible materials

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

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(2-Methoxymethylethoxy)propanol
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 308
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

Triethylamine
Long term exposure limit (8 hours) (ppm): 2
Long term exposure limit (8 hours) (mg/m³): 8
Short term exposure limit (15 minutes) (ppm): 4
Short term exposure limit (15 minutes) (mg/m³): 17
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

(2-Methoxymethylethoxy)propanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	121 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	283 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	37,2 mg/m³
Long term – Systemic effects - Workers	Inhalation	308 mg/m³
Long term – Systemic effects - General population	Oral	36 mg/kg bw/day

1,2-Benzisothiazol-3(2H)-one (BIT)

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,345 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	0,966 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1,2 mg/m³
Long term – Systemic effects - Workers	Inhalation	6,81 mg/m³

2-Methyl-2H-isothiazol-3-one (MIT)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,021 mg/m³
Long term – Local effects - Workers	Inhalation	0,021 mg/m³
Short term – Local effects - General population	Inhalation	0,043 mg/m³
Short term – Local effects - Workers	Inhalation	0,043 mg/m³
Long term – Systemic effects - General population	Oral	0,027 mg/kg bw/day
Short term – Systemic effects - General population	Oral	0,053 mg/kg bw/day

5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	0,02 mg/m³
Long term – Local effects - Workers	Inhalation	0,02 mg/m³
Short term – Local effects - General population	Inhalation	0,04 mg/m³
Short term – Local effects - Workers	Inhalation	0,04 mg/m³
Long term – Systemic effects - General population	Oral	0,09 mg/kg bw/day
Short term – Systemic effects - General population	Oral	0,11 mg/kg bw/day

Triethylamine

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	12,1 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	8,4 mg/m³
Short term – Local effects - Workers	Inhalation	12,6 mg/m³
Short term – Systemic effects - Workers	Inhalation	8,4 mg/m³
Short term – Systemic effects - Workers	Inhalation	12,6 mg/m³

PNEC

(2-Methoxymethylethoxy)propanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		19 mg/l
Freshwater sediment		70,2 mg/kg dw
Intermittent release (freshwater)		190 mg/l
Marine water		1,9 mg/l
Marine water sediment		7,02 mg/kg dw

Sewage treatment plant	4168 mg/l
Soil	2,74 mg/kg dw

1,2-Benzisothiazol-3(2H)-one (BIT)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		4,03 µg/l
Freshwater sediment		49,9 µg/kg dw
Intermittent release (freshwater)		1,1 µg/l
Intermittent release (marine water)		0,11 µg/l
Marine water		0,403 µg/l
Marine water sediment		4,99 µg/kg dw
Sewage treatment plant		1,03 mg/l
Soil		3 mg/kg dw

2-Methyl-2H-isothiazol-3-one (MIT)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3,39 µg/l
Intermittent release (freshwater)		3,39 µg/l
Intermittent release (marine water)		3,39 µg/l
Marine water		3,39 µg/l
Sewage treatment plant		0,23 mg/l
Soil		0,047 mg/kg dw

5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3,39 µg/l
Freshwater sediment		0,027 mg/kg dw
Intermittent release (freshwater)		3,39 µg/l
Intermittent release (marine water)		3,39 µg/l
Marine water		3,39 µg/l
Marine water sediment		0,027 mg/kg dw
Sewage treatment plant		0,23 mg/l
Soil		0,01 mg/kg dw

Triethylamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,11 mg/l
Freshwater sediment		1,575 mg/kg dw
Intermittent release (freshwater)		0,08 mg/l
Marine water		0,011 mg/l
Marine water sediment		0,158 mg/kg dw
Sewage treatment plant		100 mg/l
Soil		0,25 mg/kg dw

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

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

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards	
In case of insufficient ventilation	Gas filter A	2 (medium capacity)	Brown	EN14387	
In case of spray application	Combination filter AP	2	Brown/white	EN14387	

Skin protection

Work situation	Recommended	Type/Category	Standards	
	Dedicated work clothing should be worn	-	-	
In case of spray application	Protective suit with hood	-	-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,4	> 480	EN374-2, EN374-3, EN388	

Eye protection

Work situation	Type	Standards	
In case of spray application	Safety glasses with side shields	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Whitish

Odour / Odour threshold

Faint

pH

8-9

Density (g/cm³)
1,05-1,07

Kinematic viscosity
Testing not relevant or not possible due to the nature of the product.

Particle characteristics
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)
Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.

Boiling point (°C)
Testing not relevant or not possible due to the nature of the product.

Vapour pressure
Testing not relevant or not possible due to the nature of the product.

Relative vapour density
Testing not relevant or not possible due to the nature of the product.

Decomposition temperature (°C)
Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)
Testing not relevant or not possible due to the nature of the product.

Flammability (°C)
Testing not relevant or not possible due to the nature of the product.

Auto-ignition temperature (°C)
Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (% v/v)
Testing not relevant or not possible due to the nature of the product.

Solubility

Solubility in water
Soluble

n-octanol/water coefficient
Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L)
Testing not relevant or not possible due to the nature of the product.

9.2. Other information

VOC (g/l)
≤ 60

Oxidizing properties
Testing not relevant or not possible due to the nature of the product.

Other physical and chemical parameters
No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	Triethylamine
Test method:	OECD 401
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	730 mg/kg

Product/substance	Triethylamine
Test method:	OECD 403
Species:	Rat, Sprague-Dawley, male/female
Route of exposure:	Inhalation
Test:	LC50
Result:	7,22 mg/l

Product/substance	Triethylamine
Test method:	OECD 402
Species:	Rabbit, New Zealand Black, male
Route of exposure:	Dermal
Test:	LD50
Result:	580 mg/kg

Product/substance	1,2-Benzisothiazol-3(2H)-one (BIT)
Test method:	OECD 401
Species:	Rat, Wistar, male/female
Route of exposure:	Oral
Test:	LD50
Result:	490 mg/kg

Product/substance	5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
Species:	Rat, Charles River CD, male
Route of exposure:	Oral
Test:	LD50
Result:	64 mg/kg

Product/substance	5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
Species:	Rabbit, Albino, male
Route of exposure:	Dermal
Test:	LD50
Result:	87 mg/kg

Product/substance	5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
Test method:	OECD 403
Species:	Rat, Sprague-Dawley, male/female
Route of exposure:	Inhalation
Test:	LC50
Result:	0,17 mg/l

Product/substance	2-Methyl-2H-isothiazol-3-one (MIT)
Species:	Rat, male/female
Route of exposure:	Oral
Test:	LD50
Result:	120 mg/kg

Product/substance	2-Methyl-2H-isothiazol-3-one (MIT)
Test method:	OECD 402
Species:	Rat, male/female
Route of exposure:	Dermal
Test:	LD50

Result:	242 mg/kg

Product/substance	2-Methyl-2H-isothiazol-3-one (MIT)
Test method:	OECD 403
Species:	Rabbit, male/female
Route of exposure:	Inhalation
Test:	LC50
Result:	0,11 mg/l

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
This product contains substances that may trigger an allergic reaction in already sensitized persons.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects
None known.

Endocrine disrupting properties
Not applicable.

Other information
None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	1,2-Benzisothiazol-3(2H)-one (BIT)
Test method:	OECD 201
Species:	Selenastrum capricornutum
Duration:	72 hours
Test:	ErC50
Result:	0,11 mg/l

Product/substance	1,2-Benzisothiazol-3(2H)-one (BIT)
Species:	Selenastrum capricornutum
Duration:	72 hours
Test:	NOErC
Result:	0,0403 mg/l

Product/substance	2-Methyl-2H-isothiazol-3-one (MIT)
Species:	Skeletonema costatum
Duration:	72 hours
Test:	EC50
Result:	0,072 mg/l

Product/substance	2-Methyl-2H-isothiazol-3-one (MIT)
Species:	Selenastrum capricornutum
Duration:	72 hours

Test: NOEC
Result: 0,05 mg/l ·

12.2. Persistence and degradability

Product/substance (2-Methoxymethylethoxy)propanol
Biodegradable: Yes
Test method: OECD 301 F
Result: 79 %

Product/substance Triethylamine
Biodegradable: Yes
Test method: OECD 301 B
Result: 80 %

Product/substance 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
Biodegradable: Yes
Test method: OECD 301 B
Result: 62 %

Product/substance 2-Methyl-2H-isothiazol-3-one (MIT)
Biodegradable: No
Test method: OECD 301 B
Result: 50 %

12.3. Bioaccumulative potential

Product/substance (2-Methoxymethylethoxy)propanol
Test method:
Potential bioaccumulation: No
LogPow: 0,004
BCF: No data available.
Other information:

Product/substance Triethylamine
Test method:
Potential bioaccumulation: No
LogPow: 1,45
BCF: 0,5
Other information:

Product/substance 1,2-Benzisothiazol-3(2H)-one (BIT)
Test method:
Potential bioaccumulation: No
LogPow: 0,7
BCF: 6,62
Other information:

Product/substance 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))
Test method:
Potential bioaccumulation: No
LogPow: 0,75
BCF: No data available.
Other information:

Product/substance 2-Methyl-2H-isothiazol-3-one (MIT)
Test method:
Potential bioaccumulation: No
LogPow: -0,49
BCF: No data available.
Other information:

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties
Not applicable.

12.7. Other adverse effects
None known.

SECTION 13: Disposal considerations

Waste treatment methods
Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code
08 01 12 Waste paint and varnish other than those mentioned in 08 01 11

Specific labelling

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

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Restrictions for application
No special.

Demands for specific education
No specific requirements.

SEVESO - Categories / dangerous substances
Not applicable.

Additional information
Not applicable.

Sources
The Health and Safety at Work etc. Act 1974 Regulations 2013.
2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment
No

SECTION 16: Other information

▼Full text of H-phrases as mentioned in section 3

,
EUH071, Corrosive to the respiratory tract.
H225, Highly flammable liquid and vapour.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H310, Fatal in contact with skin.
H311, Toxic 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.
H319, Causes serious eye irritation.
H330, Fatal if inhaled.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH = CLP-specific hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of classification and labelling of chemicals
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = Logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = Specific Concentration Limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time Weighted Average
UN = United Nations
UVCB = Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and very Bioaccumulative

Additional information

Not applicable.

▼The safety data sheet is validated by

ULS

Other

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

triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en