Safety Data Sheet

According to Regulation (EC) No 1907/2006

Cif Professional Wood Furniture Polish

Revision: 2022-06-05 **Version:** 02.1

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

1.1 Product identifier
Trade name: Cif Professional Wood Furniture Polish
Cif is a registered trade mark and is used under licence of Unilever

UFI: 4NM3-U04V-F006-J90E

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

Product use:	Furniture polish. Hard surface cleaner.
Uses advised against:	Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :
AISE_SWED_PW_11_1
AISE_SWED_PW_19_1
PC31-Polishes and wax blends
PC35-Washing and cleaning products

1.3 Details of the supplier of the safety data sheet
Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details
Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number
Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 3 (H229)

2.2 Label elements
Signal word: Warning.

Contains 2-methyl-2H-isothiazol-3-one (Methylisothiazolinone), 1,2-benzisothiazol-3(2H)-one (Benzisothiazolinone)

Hazard statements:
H229 - Pressurised container: May burst if heated.
EUH208 - May produce an allergic reaction.

Precautionary statements:
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 - Do not pierce or burn, even after use.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Further indications on the label:
Contains: preservative. 2 % by mass of the contents are flammable.

2.3 Other hazards
No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
white mineral oil (petroleum)	232-455-8	8042-47-5	01-2119487078-27	Asp. Tox. 1 (H304)		3-10
butane	203-448-7	106-97-8	01-2119474691-32	Flam. Gas 1 (H220) Press. Gas (Comp.) (H280)		1-3
propane	200-827-9	74-98-6	01-2119486944-21	Flam. Gas 1 (H220) Press. Gas (Comp.) (H280)		0.1-1
Alcohols, C12-14, ethoxylated	500-213-3	68439-50-9	01-2119487984-16	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		0.1-1
1,2-benzisothiazol-3(2H)-one	220-120-9	2634-33-5	[6]	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		0.01-0.1
2-methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	[6]	Acute Tox. 2 (H330) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 M=10 (H400) Aquatic Chronic 1 (H410)		< 0.01

Specific concentration limits
1,2-benzisothiazol-3(2H)-one:
• Skin Sens. 1 (H317) >= 0.05%
2-methyl-2H-isothiazol-3-one:
• Skin Sens. 1 (H317) >= 0.0015%

Workplace exposure limit(s), if available, are listed in subsection 8.1.
ATE, if available, are listed in section 11.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.
[6] Exempted: biocidal active. See Article 15(2) of Regulation (EC) No 1907/2006.
For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Get medical attention or advice if you feel unwell.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye contact: Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.

Ingestion: Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: No known effects or symptoms in normal use.

Eye contact: No known effects or symptoms in normal use.

Ingestion: No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed
No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
Cool endangered packaging with water spray jet.

5.3 Advice for firefighters
As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No special measures required.

6.2 Environmental precautions
No special environmental precautions required.

6.3 Methods and material for containment and cleaning up
Absorb liquid components with liquid-binding material.

6.4 Reference to other sections
For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Measures to prevent fire and explosions:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Use non-sparking tools.
Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.
Advices on general occupational hygiene:
Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless adviced by Diversey. Wash hands thoroughly after handling. Do not breathe spray. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in accordance with local and national regulations. Keep out of reach of children. Keep away from heat and direct sunlight.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)
No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
butane	600 ppm 1450 mg/m^3	750 ppm 1810 mg/m^3

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values
Human exposure
DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
white mineral oil (petroleum)	-	-	-	40
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	-	-	-	25
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
white mineral oil (petroleum)	No data available	-	No data available	220
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	No data available	-	No data available	2080
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
white mineral oil (petroleum)	No data available	-	No data available	-
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	No data available	-	No data available	1250
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
white mineral oil (petroleum)	-	-	-	160
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	-	-	-	294
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
white mineral oil (petroleum)	-	-	-	35
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	-	-	25	87
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
white mineral oil (petroleum)	-	-	-	-
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	0.074	0.007	0.004	10000
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
white mineral oil (petroleum)	-	-	-	-
butane	No data available	No data available	No data available	No data available
propane	No data available	No data available	No data available	No data available
Alcohols, C12-14, ethoxylated	66.67	6.66	1	-
1,2-benzisothiazol-3(2H)-one	-	-	-	-
2-methyl-2H-isothiazol-3-one	-	-	-	-

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.
If available, please refer to the product information sheet for application and handling instructions.
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls: Provide a good standard of general ventilation.

Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel. Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
PC31-Polishes and wax blends	PC31-Polishes and wax blends	C	-	-	ERC8a
PC35-Washing and cleaning products	PC35-Washing and cleaning products	C	-	-	ERC8a
Spray application	AISE_SWED_PW_11_1	PW	PROC 11	60	ERC8a
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

Personal protective equipment
Eye / face protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided. Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Information in this section refers to the product, unless it is specifically stated that substance data is listed

	Method / remark
Physical state: Aerosol	
Colour: Milky , White	
Odour: Product specific	
Odour threshold: Not applicable	
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	Not applicable as product is an aerosol

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
white mineral oil (petroleum)	> 315	Method not given	
butane	No data available		
propane	No data available		
Alcohols, C12-14, ethoxylated	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

	Method / remark
Flammability (solid, gas): Not determined	
Flammability (liquid): Not applicable. Not flammable.	
Flash point (°C): Not applicable as product is an aerosol > 61 °C	closed cup
Sustained combustion: The product does not sustain combustion *(UN Manual of Tests and Criteria, section 32, L.2)*	Weight of evidence
Lower and upper explosion limit/flammability limit (%): Not determined	See substance data

Substance data, flammability or explosive limits, if available:

	Method / remark
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
pH: ≈ 7 (neat)	ISO 4316
Kinematic viscosity: ≈ 510 mPa.s (20 °C)	
Solubility in / Miscibility with water: Fully miscible	

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
white mineral oil (petroleum)	Insoluble	Method not given	
butane	No data available		
propane	No data available		

Alcohols, C12-14, ethoxylated	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Vapour pressure: Not determined

Method / remark
See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
white mineral oil (petroleum)	< 1.3	Method not given	37.8
butane	No data available		
propane	No data available		
Alcohols, C12-14, ethoxylated	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		
2-methyl-2H-isothiazol-3-one	No data available		

Method / remark

Relative density: ≈ 0.98 (20 °C) — OECD 109 (EU A.3)
Relative vapour density: .?1 mg/m³ — Not relevant to classification of this product
.?2 ppm.
Particle characteristics: No data available. — Not applicable to liquids.

9.2 Other information
9.2.1 Information with regard to physical hazard classes
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.
Oxidising properties: Not oxidising.
Corrosion to metals: Not corrosive — Weight of evidence

9.2.2 Other safety characteristics
No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability
Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data:.

Relevant calculated ATE(s):
ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
white mineral oil (petroleum)	LD_{50}	> 5000	Rat	OECD 401 (EU B.1)		Not established
butane		No data available				Not established
propane		No data available				Not established
Alcohols, C12-14, ethoxylated	LD_{50}	> 2000	Rat	OECD 401 (EU B.1)		Not established
1,2-benzisothiazol-3(2H)-one	LD_{50}	> 2000	Rat			3.8e+006
2-methyl-2H-isothiazol-3-one	LD_{50}	120	Rat	OECD 401 (EU B.1)		1.6e+007

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
white mineral oil (petroleum)	LD_{50}	> 2000	Rabbit	OECD 402 (EU B.3)		Not established
butane		No data available				Not established
propane		No data available				Not established
Alcohols, C12-14, ethoxylated	LD_{50}	> 3000		Method not given		Not established
1,2-benzisothiazol-3(2H)-one	LD_{50}	> 2000	Rat	OECD 402 (EU B.3)		Not established
2-methyl-2H-isothiazol-3-one	LD_{50}	242	Rat	OECD 402 (EU B.3)	24 hours	4e+007

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
white mineral oil (petroleum)	LC_{50}	> 5	Rat	OECD 403 (EU B.2)	4
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated	LC_{50}	> 1600 (vapour) No mortality observed		Method not given	
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one	LC_{50}	(mist) 0.11	Rat	OECD 403 (EU B.2)	4 hours

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
white mineral oil (petroleum)	Not established	Not established	Not established	Not established
butane	Not established	Not established	Not established	Not established
propane	Not established	Not established	Not established	Not established
Alcohols, C12-14, ethoxylated	Not established	Not established	Not established	Not established
1,2-benzisothiazol-3(2H)-one	Not established	Not established	Not established	Not established
2-methyl-2H-isothiazol-3-one	Not established	18000	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
white mineral oil (petroleum)	Not irritant			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	Not irritant			
1,2-benzisothiazol-3(2H)-one	Corrosive		Method not given	
2-methyl-2H-isothiazol-3-one	Corrosive			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
white mineral oil (petroleum)	Not corrosive or irritant			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	Severe damage		Weight of evidence	
1,2-benzisothiazol-3(2H)-one	Severe damage		Method not given	
2-methyl-2H-isothiazol-3-one	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
white mineral oil (petroleum)	No data available			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			
2-methyl-2H-isothiazol-3-one	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
white mineral oil (petroleum)	Not sensitising			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	Not sensitising	Guinea pig	OECD 406 (EU B.6)	
1,2-benzisothiazol-3(2H)-one	Sensitising	Guinea pig		
2-methyl-2H-isothiazol-3-one	Sensitising	Guinea pig		

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
white mineral oil (petroleum)	No data available			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			
2-methyl-2H-isothiazol-3-one	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
white mineral oil (petroleum)	No data available		No data available	
butane	No data available		No data available	
propane	No data available		No data available	
Alcohols, C12-14, ethoxylated	No data available		No data available	
1,2-benzisothiazol-3(2H)-one	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
2-methyl-2H-isothiazol-3-one	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	

Carcinogenicity

Ingredient(s)	Effect
white mineral oil (petroleum)	No data available
butane	No data available
propane	No data available
Alcohols, C12-14, ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	No data available
2-methyl-2H-isothiazol-3-one	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
white mineral oil (petroleum)			No data available				
butane			No data available				
propane			No data available				
Alcohols, C12-14, ethoxylated			No data available				
1,2-benzisothiazol-3(2H)-one			No data available				
2-methyl-2H-isothiazol-3-one			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
white mineral oil (petroleum)			No data available					
butane			No data available					
propane			No data available					
Alcohols, C12-14, ethoxylated			No data available					
1,2-benzisothiazol-3(2H)-one			No data available					
2-methyl-2H-isothiazol-3-one			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
white mineral oil (petroleum)	No data available
butane	No data available
propane	No data available
Alcohols, C12-14, ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	No data available
2-methyl-2H-isothiazol-3-one	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
white mineral oil (petroleum)	No data available
butane	No data available

propane	No data available
Alcohols, C12-14, ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	No data available
2-methyl-2H-isothiazol-3-one	No data available

Aspiration hazard
Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms
Effects and symptoms related to the product, if any, are listed in subsection 4.2.

11.2 Information on other hazards
11.2.1 Endocrine disrupting properties
Endocrine disrupting properties - Human data, if available:

11.2.2 Other information
No other relevant information available.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity
Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
white mineral oil (petroleum)		No data available			
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one	LC_{50}	2.18	*Oncorhynchus mykiss*	OECD 203 (EU C.1)	
2-methyl-2H-isothiazol-3-one	LC_{50}	4.77	*Oncorhynchus mykiss*	Similar to OECD 203	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
white mineral oil (petroleum)		No data available			
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one	EC_{50}	2.94	*Daphnia*	OECD 202 (EU C.2)	48
2-methyl-2H-isothiazol-3-one	LC_{50}	0.93-1.9	*Daphnia magna Straus*	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
white mineral oil (petroleum)		No data available			
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one	$E_r C_{50}$	0.11		OECD 201 (EU C.3)	72
2-methyl-2H-isothiazol-3-one	EC_{50}	0.158	*Selenastrum capricornutum*	Method not given	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
white mineral oil (petroleum)		No data available			
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			
2-methyl-2H-isothiazol-3-one		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
white mineral oil (petroleum)		No data available			
butane		No data available			
propane		No data available			
Alcohols, C12-14, ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one	EC_{20}	3.3	*Activated sludge*	OECD 209	3 hour(s)
2-methyl-2H-isothiazol-3-one	EC_{20}	2.8	*Activated sludge*	OECD 209	3 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				
2-methyl-2H-isothiazol-3-one		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
white mineral oil (petroleum)		No data available				
butane		No data available				
propane		No data available				
Alcohols, C12-14, ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				

2-methyl-2H-isothiazol-3-one		No data available				

Terrestrial toxicity
Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability
Abiotic degradation
Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation
Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
white mineral oil (petroleum)				OECD 301F	Not readily biodegradable.
butane					Readily biodegradable
propane					Readily biodegradable
Alcohols, C12-14, ethoxylated	Activated sludge, aerobe	Oxygen depletion	95 % in 28 day(s)	OECD 301F	Readily biodegradable
1,2-benzisothiazol-3(2H)-one	Adapted activated sludge	CO_2 production	62% in 4 day(s)	OECD 301C	Not readily biodegradable.
2-methyl-2H-isothiazol-3-one					Not readily biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT_{50}	Method	Evaluation
1,2-benzisothiazol-3(2H)-one	Sewage treatment plant simulation	Primary degradation	> 90%	OECD 303A	Biodegradable
2-methyl-2H-isothiazol-3-one	Surface water (fresh)	Mineralisation rate	> 50 % in 4 day(s)	OECD 309	Biodegradable

12.3 Bioaccumulative potential
Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
white mineral oil (petroleum)	No data available			
butane	No data available			
propane	No data available			
Alcohols, C12-14, ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	0.7	OECD 107	No bioaccumulation expected	
2-methyl-2H-isothiazol-3-one	-0.32	OECD 107	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
white mineral oil (petroleum)	No data available				
butane	No data available				
propane	No data available				
Alcohols, C12-14, ethoxylated	No data available				
1,2-benzisothiazol-3(2H)-one	6.95		OECD 305		
2-methyl-2H-isothiazol-3-one	3.16		OECD 305		

12.4 Mobility in soil
Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
white mineral oil (petroleum)	No data available				
butane	No data available				
propane	No data available				
Alcohols, C12-14, ethoxylated	No data available				
1,2-benzisothiazol-3(2H)-one	No data available				
2-methyl-2H-isothiazol-3-one	No data available				

12.5 Results of PBT and vPvB assessment
Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Endocrine disrupting properties
Endocrine disrupting properties - Environmental effects, if available:

12.7 Other adverse effects
No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Waste from residues / unused products: The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.
European Waste Catalogue: 16 05 05 - gases in pressure containers other than those mentioned in 16 05 04.

Empty packaging
Recommendation: Dispose of observing national or local regulations.
Suitable cleaning agents: Water, if necessary with cleaning agent.

SECTION 14: Transport information

Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)
14.1 UN number: 1950
14.2 UN proper shipping name:
Aerosols
14.3 Transport hazard class(es):
Transport hazard class (and subsidiary risks): 2.2
14.4 Packing group: -
14.5 Environmental hazards:
Environmentally hazardous: No
Marine pollutant: No
14.6 Special precautions for user: None known.
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:
ADR
Classification code: 5A
Tunnel restriction code: E
IMO/IMDG
EmS: F-D, S-U

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code
Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

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

National regulations :
• Regulation (EC) 1907/2006 - REACH (UK amended)
• Regulation (EC) 1272/2008 - CLP (UK amended)
• Regulation (EC) 648/2004 - Detergents regulation (UK amended)
• Aerosol Dispensers Regulations 2009
• Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
• Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
• International Maritime Dangerous Goods (IMDG) Code

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to Detergents Regulation

aliphatic hydrocarbons	5 - 15 %
non-ionic surfactants	< 5 %

perfumes , Sodium Benzoate, Benzisothiazolinone, Methylisothiazolinone

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Comah - classification: Not classified

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS1003768 **Version:** 02.1 **Revision:** 2022-06-05

Reason for revision:
This data sheet contains changes from the previous version in section(s):, 3, 8, 9, 11, 12, 15, 16, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

Classification procedure
The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Full text of the H and EUH phrases mentioned in section 3:
• H220 - Extremely flammable gas.
• H280 - Contains gas under pressure; may explode if heated.
• H301 - Toxic if swallowed.
• H302 - Harmful if swallowed.
• H304 - May be fatal if swallowed and enters airways.
• 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.
• H330 - Fatal if inhaled.
• 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.

Abbreviations and acronyms:
• AISE - The international Association for Soaps, Detergents and Maintenance Products
• ATE - Acute Toxicity Estimate
• DNEL - Derived No Effect Limit
• EC50 - effective concentration, 50%
• ERC - Environmental release categories
• EUH - CLP Specific hazard statement
• LC50 - Lethal Concentration, 50% / Median Lethal Concentration
• LCS - Life cycle stage
• LD50 - Lethal Dose, 50% / Median Lethal dose
• NOAEL - No observed adverse effect level
• NOEL - No observed effect level
• OECD - Organisation for Economic Cooperation and Development

- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

End of Safety Data Sheet