SAFETY DATA SHEET

2work Antistatic Screen Cleaning Wipes

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of t	he substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	2work Antistatic Screen Cleaning Wipes
Product number	DB57099, ZP
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
Identified uses	Cleaning agent.
Uses advised against	No specific uses advised against are identified.
1.3. Details of the supplier of the supplicit states and the supplicit states are supplied as the supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit states are supplicit. The supplicit states are supplicit. The supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplicit. The supplicit states are supplicit states are supplised are supplicit. The s	the safety data sheet
Supplier	VOW Europe Ltd K House Sheffield Business Park Europa Link Sheffield S9 1XU 0844 980 8000 www.opinfo.net
1.4. Emergency telephone nu	mber
Emergency telephone	IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week)
Emergency telephone SECTION 2: Hazards identific	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week)
	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week)
SECTION 2: Hazards identific	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) eation tance or mixture
SECTION 2: Hazards identific 2.1. Classification of the subs	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) eation tance or mixture
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008)	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture Not Classified
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture Not Classified Not Classified
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture Not Classified Not Classified
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards 2.2. Label elements	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture Not Classified Not Classified Not Classified EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6]
SECTION 2: Hazards identific 2.1. Classification of the subs Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards 2.2. Label elements Hazard statements	+44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week) ation tance or mixture Not Classified Not Classified Not Classified EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments None of the ingredients are required to be listed.

SECTION 4: First aid measures

4.1. Description of first aid me	asures
General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.
4.2. Most important symptoms	and effects, both acute and delayed
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.
SECTION 5: Firefighting measurements	sures
5.1. Extinguishing media	
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fr	om the substance or mixture
Specific hazards	The product is not believed to present a hazard due to its physical nature.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
5.3. Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.
SECTION 6: Accidental releas	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	No specific recommendations. For personal protection, see Section 8.
6.2. Environmental precaution	<u>S</u>
Environmental precautions	Avoid discharge to the aquatic environment.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.
6.4. Reference to other section	ns
Reference to other sections	For personal protection, see Section 8.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
Usage precautions	Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including any incompatibilities	
Storage precautions	No specific recommendations.
Storage class	Unspecified storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure control	s/Personal protection

8.1. Control parameters

Occupational exposure limits

2-Butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³ Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³ Sk

1-Methoxy-2-propanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³ Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³ Sk

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Diethyl phthalate

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ Short-term exposure limit (15-minute): WEL 10 mg/m³ WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

8.2. Exposure controls	
Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

	ical and chemical properties
Appearance	Liquid-impregnated wipe.
Colour	Colourless.
Odour	Alcoholic.
Odour threshold	Not available.
рН	pH (concentrated solution): 5-7
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapour pressure	2.35 kPa @ 20°C
Vapour density	Not available.
Relative density	0.993-1.003 @ 20°C
Bulk density	Not available.
Solubility(ies)	Not available.

Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
9.2. Other information	
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	No potentially hazardous reactions known.
10.4. Conditions to avoid	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
10.5. Incompatible materials	
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Materials to avoid 10.6. Hazardous decompositio	hazardous situation.
	hazardous situation.
10.6. Hazardous decomposition	hazardous situation. <u>on products</u> Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
10.6. Hazardous decomposition Hazardous decomposition products	hazardous situation. <u>on products</u> Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. <u>formation</u>
10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological in	hazardous situation. <u>on products</u> Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. <u>formation</u>
10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicologi	hazardous situation. In products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Formation Cal effects
10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological im11.1. Information on toxicologiToxicological effectsAcute toxicity - oral	hazardous situation. In products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. formation <u>cal effects</u> Not regarded as a health hazard under current legislation.
10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicologi Toxicological effects Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal	hazardous situation. In products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. formation <u>cal effects</u> Not regarded as a health hazard under current legislation. Based on available data the classification criteria are not met.
10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicologi Toxicological effects Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation	hazardous situation. In products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. formation cal effects Not regarded as a health hazard under current legislation. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological in 11.1. Information on toxicologi Toxicological effects Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation	hazardous situation. In products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Formation Cal effects Not regarded as a health hazard under current legislation. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.

Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard Aspiration hazard	Based on available data the classification criteria are not met.
General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
Toxicological information on in	gredients.

2-Butoxyethanol

Acute toxicity - oral	
Notes (oral LD₅₀)	Acute Tox. 4 - H302 Harmful if swallowed.
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Acute Tox. 4 - H312 Harmful in contact with skin.
ATE dermal (mg/kg)	1,100.0
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Acute Tox. 4 - H332 Harmful if inhaled.

ATE inhalation (vapours mg/l)	11.0
Skin corrosion/irritation	
Animal data	Irritating.
Serious eye damage/irritati	ion
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicit	ty - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicit	ty - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
Ingestion	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.
Skin contact	Redness. Irritating to skin.
Eye contact	Irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
-	

Target organs	No specific target organs known.
	1-Methoxy-2-propanol
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD50)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritati	on
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxici	ty - single exposure
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.
Target organs	Central nervous system
Specific target organ toxici	ty - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	Central nervous system

2-Methoxypropanol

Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Skin corrosion/irritation	Irritating to skin.
Animal data	Irritating.
Serious eye damage/irritati	on
Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	May damage the unborn child.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
Target organs	Respiratory system, lungs
Specific target organ toxicit	y - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	Avoid contact during pregnancy/while nursing. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
Ingestion	May cause irritation.
Skin contact	Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs
	Ethanol
	Net we would do not be althe born and on day as we will a state of
Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity - oral	Not regarded as a health hazard under current legislation.
-	Based on available data the classification criteria are not met.
Acute toxicity - oral	
Acute toxicity - oral Notes (oral LD₅₀)	
Acute toxicity - oral Notes (oral LD∞) Acute toxicity - dermal	Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritati Serious eye damage/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritati Serious eye damage/irritation Respiratory sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. <u>on</u> Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritation Serious eye damage/irritation Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. <u>on</u> Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritati Serious eye damage/irritation Respiratory sensitisation Respiratory sensitisation Skin sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. on Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.
Acute toxicity - oral Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Animal data Serious eye damage/irritati Serious eye damage/irritation Respiratory sensitisation Respiratory sensitisation Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. on Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.

Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicit	ty - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicit	ty - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
	d-Limonene
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Irritating.
Serious eye damage/irritati	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	

Respiratory sensitisation	Based on available data the classification criteria are not met.	
Skin sensitisation		
Skin sensitisation	May cause skin sensitisation or allergic reactions in sensitive individuals.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Genotoxicity - in vivo	DNA damage and/or repair: Negative. REACH dossier information. Based on available data the classification criteria are not met.	
Carcinogenicity		
Carcinogenicity	Based on available data the classification criteria are not met.	
IARC carcinogenicity	None of the ingredients are listed or exempt.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	Based on available data the classification criteria are not met.	
Specific target organ toxicit	ty - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.	
STOT - repeated exposure Aspiration hazard	Not classified as a specific target organ toxicant after repeated exposure.	
	Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met.	
Aspiration hazard		
Aspiration hazard Aspiration hazard	Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration	
Aspiration hazard Aspiration hazard General information	Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Aspiration hazard Aspiration hazard General information Inhalation	Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. 	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. 	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact Eye contact	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. No specific symptoms known. 	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact Eye contact Route of exposure	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact 	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact Eye contact Route of exposure Target organs	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact No specific target organs known. 	
Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact Eye contact Route of exposure Target organs	 Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. No specific symptoms known. May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin. No specific symptoms known. Ingestion Inhalation Skin and/or eye contact No specific target organs known. Skin disorders and allergies. 	

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritati	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicit	ty - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicit	ty - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	No specific symptoms known. May cause discomfort.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.

Citral

Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Irritating.
Serious eye damage/irritat	ion
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	May cause skin sensitisation or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxici	ty - single exposure
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxici	ty - repeated exposure
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.

Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.
	Pin-2(3)-ene
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Animal data	Irritating.
Human skin model test	Cell Viability 39.6% 15 minutes REACH dossier information. Irritating.
Serious eye damage/irritat	ion
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	May cause skin sensitisation or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	
	None of the ingredients are listed or exempt.
Reproductive toxicity	None of the ingredients are listed or exempt.
	None of the ingredients are listed or exempt. Based on available data the classification criteria are not met.
Reproductive toxicity Reproductive toxicity -	

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	
Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.	
Aspiration hazard		
Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.	
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Inhalation	No specific symptoms known.	
Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.	
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.	
Eye contact	No specific symptoms known.	
Route of exposure	Ingestion Inhalation Skin and/or eye contact	
Target organs	No specific target organs known.	
Medical considerations	Skin disorders and allergies.	
	p-Cymene	
	<u>p officie</u>	
Acute toxicity - oral		
Acute toxicity - oral Notes (oral LD₅₀)	Based on available data the classification criteria are not met.	
Notes (oral LD₅₀)		
Notes (oral LD∞) Acute toxicity - dermal	Based on available data the classification criteria are not met.	
Notes (oral LD₅o) Acute toxicity - dermal Notes (dermal LD₅o)	Based on available data the classification criteria are not met.	
Notes (oral LD₅o) Acute toxicity - dermal Notes (dermal LD₅o) Acute toxicity - inhalation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	
Notes (oral LD ₅₀) <u>Acute toxicity - dermal</u> Notes (dermal LD ₅₀) <u>Acute toxicity - inhalation</u> Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	
Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	
Notes (oral LD ₅₀) Acute toxicity - dermal Notes (dermal LD ₅₀) Acute toxicity - inhalation Notes (inhalation LC ₅₀) Skin corrosion/irritation Skin corrosion/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met.	
Notes (oral LD ₅₀) <u>Acute toxicity - dermal</u> Notes (dermal LD ₅₀) <u>Acute toxicity - inhalation</u> Notes (inhalation LC ₅₀) <u>Skin corrosion/irritation</u> Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met.	
Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Skin corrosion/irritation Animal data Serious eye	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met.	
Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Skin corrosion/irritation Animal data Serious eye damage/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met.	
Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Skin corrosion/irritation Animal data Serious eye damage/irritation Respiratory sensitisation Respiratory sensitisation Skin sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met. ion Based on available data the classification criteria are not met.	
Notes (oral LD50)Acute toxicity - dermalNotes (dermal LD50)Acute toxicity - inhalationAcute toxicity - inhalationNotes (inhalation LC50)Skin corrosion/irritationSkin corrosion/irritationAnimal dataSerious eye damage/irritationSerious eye damage/irritationRespiratory sensitisationRespiratory sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met. ion Based on available data the classification criteria are not met.	
Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Skin corrosion/irritation Animal data Serious eye damage/irritation Respiratory sensitisation Respiratory sensitisation Skin sensitisation	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Irritating to skin. Defatting, drying and cracking of skin. REACH dossier information. Based on available data the classification criteria are not met. ion Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	

	Carcinogenicity	
	Carcinogenicity	Based on available data the classification criteria are not met.
	IARC carcinogenicity	None of the ingredients are listed or exempt.
	Reproductive toxicity	
	Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
	Reproductive toxicity - development	Based on available data the classification criteria are not met.
	Specific target organ toxicit	y - single exposure
	STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
	Target organs	Respiratory system, lungs
	Specific target organ toxicit	y - repeated exposure
	STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
	Aspiration hazard	
	Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
	General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
	Inhalation	No specific symptoms known.
	Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
	Skin contact	No specific symptoms known.
	Eye contact	No specific symptoms known.
	Route of exposure	Ingestion Inhalation Skin and/or eye contact
	Target organs	No specific target organs known.
SECTION 1	2: Ecological information	

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

2-Butoxyethanol

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
	1-Methoxy-2-propanol
Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

2-Methoxypropanol

	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
		Ethanol
	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
		Diethyl phthalate
	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
		Citral
	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
		Pin-2(3)-ene
	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
12.1. Toxicit	<u>y</u>	
Toxicity	Based or	n available data the classification criteria are not met.
Ecological in	nformation on ingredients.	
		2-Butoxyethanol
	Toxicity	Based on available data the classification criteria are not met.
	Toxicity Acute aquatic toxicity	
	-	
	Acute aquatic toxicity	Based on available data the classification criteria are not met.
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic	Based on available data the classification criteria are not met. LC₅₀, 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants Chronic aquatic toxicity	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants Chronic aquatic toxicity Chronic toxicity - fish early	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna EC ₅₀ , 72 hours: 911 mg/l, Pseudokirchneriella subcapitata
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants Chronic aquatic toxicity Chronic toxicity - fish early life stage Chronic toxicity - aquatic	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna EC ₅₀ , 72 hours: 911 mg/l, Pseudokirchneriella subcapitata NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish)
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants Chronic aquatic toxicity Chronic toxicity - fish early life stage Chronic toxicity - aquatic	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna EC ₅₀ , 72 hours: 911 mg/l, Pseudokirchneriella subcapitata NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish) NOEC, 21 days: 100 mg/l, Daphnia magna
	Acute aquatic toxicity Acute toxicity - fish Acute toxicity - aquatic invertebrates Acute toxicity - aquatic plants Chronic aquatic toxicity Chronic toxicity - fish early life stage Chronic toxicity - aquatic invertebrates	Based on available data the classification criteria are not met. LC ₅₀ , 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna EC ₅₀ , 72 hours: 911 mg/l, Pseudokirchneriella subcapitata NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish) NOEC, 21 days: 100 mg/l, Daphnia magna <u>1-Methoxy-2-propanol</u>

Acute toxicity - aquatic invertebrates	LC₅₀, 48 hours: 21100 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC₅, 7 days: >1000 mg/l, Selenastrum capricornutum REACH dossier information.
	2-Methoxypropanol
Toxicity	Based on available data the classification criteria are not met.
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: >1006 mg/l, Fish, Estimated value.
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: >13205 mg/l, Daphnia magna, Estimated value.
	Ethanol
Toxicity	Based on available data the classification criteria are not met.
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	LC₅₀, 48 hours: 5012 mg/l, Ceriodaphnia dubia
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 11.5 mg/l, Chlorella vulgaris
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 9 days: 9.6 mg/l, Daphnia magna
	d-Limonene
Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
LE(C)50	$0.1 < L(E)C50 \le 1$
M factor (Acute)	1
Acute toxicity - fish	LC₅₀, 96 hours: 0.72 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.36 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 150 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	EC₅₀, 3 hours: 209 mg/l, Activated sludge
Chronic aquatic toxicity	
M factor (Chronic)	1

Diethyl phthalate

Toxicity	Based on available data the classification criteria are not met.
Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 24 hours: 23 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 48 hours: 14 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 72 hours: 12 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: 12 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.
Acute toxicity - aquatic invertebrates	LC₅₀, 48 hours: 90 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 23 mg/l, Scenedesmus subspicatus REACH dossier information.
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 25 mg/l, Daphnia magna REACH dossier information.
	Citral
Toxicity	Based on available data the classification criteria are not met.
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: 6.78 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 6.8 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC₅₀, 72 hours: 103.8 mg/l, Scenedesmus subspicatus
	Pin-2(3)-ene
Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
LE(C)50	$0.1 < L(E)C50 \le 1$
M factor (Acute)	1
Chronic aquatic toxicity	
M factor (Chronic)	1
	<u>p-Cymene</u>
Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
Acute toxicity - fish	LC₅₀, 96 hours: 44 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	LC₅₀, 96 hours: 4.4 mg/l, Americamysis bahia LC₅₀, 48 hours: 6.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC₅₀, 96 hours: 49 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - aquatic NOEC, 21 days: 0.46 mg/l, Daphnia magna invertebrates

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

2-Butoxyethanol

Persistence and degradability	The degradability of the product is not known.
Biodegradation	Water - Degradation 90.4%: 28 days
	1-Methoxy-2-propanol
Persistence and degradability	The degradability of the product is not known.
Phototransformation	Water - DT₅₀ : 3.1 hours REACH dossier information.
Biodegradation	Water - Degradation 96%: 28 days REACH dossier information.
	2-Methoxypropanol
Persistence and degradability	The degradability of the product is not known.
Biodegradation	No data available.
	Ethanol
Persistence and degradability	<u>Ethanol</u> The degradability of the product is not known.
degradability	The degradability of the product is not known.
degradability Biodegradation	The degradability of the product is not known. Water - Degradation 74%: 10 days
degradability Biodegradation	The degradability of the product is not known. Water - Degradation 74%: 10 days 1.99 g O₂/g substance
degradability Biodegradation Chemical oxygen demand Persistence and	The degradability of the product is not known. Water - Degradation 74%: 10 days 1.99 g O₂/g substance <u>d-Limonene</u>
degradability Biodegradation Chemical oxygen demand Persistence and degradability	The degradability of the product is not known. Water - Degradation 74%: 10 days 1.99 g O₂/g substance <u>d-Limonene</u> The degradability of the product is not known. Water - Half-life : 0.365 hours
degradability Biodegradation Chemical oxygen demand Persistence and degradability Phototransformation	The degradability of the product is not known. Water - Degradation 74%: 10 days 1.99 g O₂/g substance <u>d-Limonene</u> The degradability of the product is not known. Water - Half-life : 0.365 hours Estimated value.

	Phototransformation	Water - DT₅₀ : 111.1 hours REACH dossier information.
	Biodegradation	Water - Degradation >99%: 28 days REACH dossier information.
		Citral
	Persistence and degradability	The degradability of the product is not known.
	Phototransformation	Water - DT₅₀ : 37.35 minutes
	Biodegradation	Water - Degradation 85-95%: 28 days
		Pin-2(3)-ene
	Persistence and degradability	The degradability of the product is not known.
	Phototransformation	Water - DT₅₀ : 0.44-1.41 hours
		p-Cymene
	Persistence and degradability	The degradability of the product is not known.
	Biodegradation	Water - Degradation 88%: 14 days
12.3. Bioac	cumulative potential	
		available on bioaccumulation.
	lative potential No data	
Bioaccumu Partition co	lative potential No data	
Bioaccumu Partition co	lative potential No data efficient Not avai	
Bioaccumu Partition co	lative potential No data efficient Not avai information on ingredients.	lable.
Bioaccumu Partition co	lative potential No data efficient Not avai information on ingredients.	lable. <u>2-Butoxyethanol</u>
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation.
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential Partition coefficient	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81 <u>1-Methoxy-2-propanol</u>
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential Partition coefficient Bioaccumulative potential	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81 <u>1-Methoxy-2-propanol</u> No data available on bioaccumulation.
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential Partition coefficient Bioaccumulative potential	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81 <u>1-Methoxy-2-propanol</u> No data available on bioaccumulation. log Pow: <1 REACH dossier information. <u>2-Methoxypropanol</u>
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential Partition coefficient Bioaccumulative potential Partition coefficient	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81 <u>1-Methoxy-2-propanol</u> No data available on bioaccumulation. log Pow: <1 REACH dossier information. <u>2-Methoxypropanol</u>
Bioaccumu Partition co	lative potential No data efficient Not avaited avaitation on ingredients. bioaccumulative potential Partition coefficient Bioaccumulative potential Partition coefficient Bioaccumulative potential Partition coefficient Bioaccumulative potential Partition coefficient	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. Ig Kow: 0.81 <u>1-Methoxy-2-propanol</u> No data available on bioaccumulation. Ig Pow: <1 REACH dossier information. <u>2-Methoxypropanol</u> No data available on bioaccumulation. <u>Ethanol</u>
Bioaccumu Partition co	lative potential No data efficient Not avaite information on ingredients. Bioaccumulative potential Partition coefficient Bioaccumulative potential Partition coefficient	lable. <u>2-Butoxyethanol</u> No data available on bioaccumulation. log Kow: 0.81 <u>1-Methoxy-2-propanol</u> No data available on bioaccumulation. log Pow: <1 REACH dossier information. <u>2-Methoxypropanol</u> No data available on bioaccumulation.

d-Limonene

	Bioaccumulative potential	No data available on bioaccumulation.
	Partition coefficient	log Pow: 4.38
		Diethyl phthalate
	Bioaccumulative potential	No data available on bioaccumulation.
	Partition coefficient	log Pow: 2.2 REACH dossier information.
		Citral
	Bioaccumulative potential	No data available on bioaccumulation.
	Partition coefficient	log Pow: 2.76
		Pin-2(3)-ene
	Bioaccumulative potential	No data available on bioaccumulation.
	Partition coefficient	log Pow: 4.487
		p-Cymene
	Bioaccumulative potential	No data available on bioaccumulation.
12.4. Mobili	ty in soil	
Mobility	No data	available.
Ecological i	nformation on ingredients.	
		2-Butoxyethanol
	Mobility	No data available.
	Surface tension	29.53 mN/m @ 20°C
		1-Methoxy-2-propanol
	Mobility	No data available.
	Surface tension	70.7 mN/m @ 20°C
		2-Methoxypropanol
	Mobility	No data available.
	Adsorption/desorption coefficient	- log Kow: ~ (-0.45) - (-0.49) @ 25°C Calculation method Log Koc: ~ 0.0 - 1.13 @ 25°C Calculation method.
		Ethanol
	Mobility	No data available.
	Surface tension	24.5 mN/m @ 20°C/68°F
		<u>d-Limonene</u>
	Mobility	No data available.

	Adsorption/desorption coefficient	Water - Koc: 1984 @ 25°C
		Diethyl phthalate
	Mobility	No data available.
	Adsorption/desorption coefficient	Water - Log Koc: 2.34 @ 21°C REACH dossier information.
	Henry's law constant	0.0399 Pa m³/mol @ °C Calculation method. REACH dossier information.
		Citral
	Mobility	No data available.
	Adsorption/desorption coefficient	Water - Log Koc: 2.169 @ 25°C Estimated value.
	Henry's law constant	0.000376 atm m³/mol @ 25°C
		Pin-2(3)-ene
	Mobility	No data available.
	Adsorption/desorption coefficient	Water - Koc: 2184 @ 25°C Estimated value.
		p-Cymene
	Mobility	No data available.
	s of PBT and vPvB assessm	nent
Ecological in	nformation on ingredients.	
		2-Butoxyethanol
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		1-Methoxy-2-propanol
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		2-Methoxypropanol
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		Ethanol
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		d-Limonene

	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria. Estimated value.
		Diethyl phthalate
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		Citral
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		Pin-2(3)-ene
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
		p-Cymene
	Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
12.6. Other	adverse effects	
Other adve		iown.
Ecological i	nformation on ingredients.	0 Dutanut and
		2-Butoxyethanol
	Other adverse effects	None known.
		1-Methoxy-2-propanol
	Other adverse effects	None known.
		2-Methoxypropanol
	Other adverse effects	None known.
		Ethanol
	Other adverse effects	None known.
		d-Limonene
	Other adverse effects	None known.
		Diethyl phthalate
	Other adverse effects	None known.
		Citral
	o u 1 r i	
	Other adverse effects	None known.

		Pin-2(3)-ene
Other adverse eff	ects	None known.
		p-Cymene
Other adverse eff		None known.
SECTION 13: Disposal conside		
13.1. Waste treatment methods General information	The gen	eration of waste should be minimised or avoided wherever possible. Reuse or recycle wherever possible. This material and its container must be disposed of in a safe
Disposal methods	-	of waste to licensed waste disposal site in accordance with the requirements of the ste Disposal Authority.
SECTION 14: Transport inform	ation	
General	-	duct is not covered by international regulations on the transport of dangerous goods ATA, ADR/RID).
14.1. UN number		
Not applicable.		
14.2. UN proper shipping name	<u>)</u>	
Not applicable.		
14.3. Transport hazard class(e	<u>s)</u>	
No transport warning sign requ	ired.	
14.4. Packing group		
Not applicable.		
14.5. Environmental hazards		
Environmentally hazardous sul No.	ostance/m	narine pollutant
14.6. Special precautions for us	ser	
Not applicable.		
14.7. Transport in bulk accordin	ng to Ann	ex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not appl	icable.
SECTION 15: Regulatory inform	mation	
15.1. Safety, health and enviro	nmental r	egulations/legislation specific for the substance or mixture
National regulations	The Che No. 716)	nd Safety at Work etc. Act 1974 (as amended). micals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 riage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

EU legislationRegulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
Chemicals (REACH) (as amended).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16
December 2008 on classification, labelling and packaging of substances and mixtures (as
amended).
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information	
Training advice	Read and follow manufacturer's recommendations.
Issued by	Bethan Massey
Revision date	21/11/2018
Revision	2.1
SDS number	743
Hazard statements in full	EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.