# SAFETY DATA SHEET

# Lyreco Whiteboard Cleaning Fluid

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 the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	Lyreco Whiteboard Cleaning Fluid
Product number	978.532, ZP
1.2. Relevant identified uses	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 safety data sheet
Supplier	LYRECO Rue du 19 mars 1962, F-59770, Marly, France +33 (0) 3 27 23 64 00 fr.fds@lyreco.com
1.4. Emergency telephone nu	umber
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)
SECTION 2: Hazards identifi	cation
SECTION 2: Hazards identifi 2.1. Classification of the subs	
	stance or mixture
2.1. Classification of the subs	stance or mixture
2.1. Classification of the subs Classification (EC 1272/2008	stance or mixture
2.1. Classification of the subs Classification (EC 1272/2008 Physical hazards	stance or mixture ) Not Classified
2.1. Classification of the subs Classification (EC 1272/2008 Physical hazards Health hazards	stance or mixture ) Not Classified Not Classified
2.1. Classification of the subs Classification (EC 1272/2008 Physical hazards Health hazards Environmental hazards	stance or mixture ) Not Classified Not Classified
2.1. Classification of the subs Classification (EC 1272/2008 Physical hazards Health hazards Environmental hazards 2.2. Label elements	stance 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]
2.1. Classification of the subs Classification (EC 1272/2008 Physical hazards Health hazards Environmental hazards 2.2. Label elements Hazard statements	stance 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

media

# Lyreco Whiteboard Cleaning Fluid

1-Methoxy-2-propanol		10-30%
CAS number: 107-98-2	EC number: 203-539-1	REACH registration number: 01- 2119457435-35-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336		
The full text for all hazard sta	tements is displayed in Section 16.	
SECTION 4: First aid measu	res	
4.1. Description of first aid m	easures	
General information	If in doubt, get medical attention promptly. S personnel.	Show this Safety Data Sheet to the medical
Inhalation		tion or coughing persists, proceed as follows. warm and at rest in a position comfortable for lar, tie or belt. Get medical attention if any
Ingestion	No specific recommendations. If throat irrita Rinse mouth. Get medical attention if any di	tion or coughing persists, proceed as follows. iscomfort continues.
Skin contact	No specific recommendations. Rinse with w continues.	ater. Get medical attention if any discomfort
Eye contact	Rinse with water. Get medical attention if an	ny discomfort continues.
Protection of first aiders	Use protective equipment appropriate for su	urrounding materials.
4.2. Most important symptom	s and effects, both acute and delayed	
General information	The severity of the symptoms described will length of exposure.	I vary dependent on the concentration and the
nhalation	No specific symptoms known. Spray/mists r	may cause respiratory tract irritation.
ngestion	No specific symptoms known. May cause d	iscomfort if swallowed.
Skin contact	No specific symptoms known. May cause d	iscomfort.
Eye contact	No specific symptoms known. May be slight	tly irritating to eyes.
4.3. Indication of any immedi	ate medical attention and special treatment ne	eded
Notes for the doctor	Treat symptomatically.	
Specific treatments	No special treatment required.	
SECTION 5: Firefighting mea	asures	
5.1. Extinguishing media		
Suitable extinguishing media	The product is not flammable. Extinguish wi powder or water fog. Use fire-extinguishing	ith alcohol-resistant foam, carbon dioxide, dry media suitable for the surrounding fire.

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

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 release	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 sections	
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 generalWash promptly if skin becomes contaminated. Take off contaminated clothing. Washoccupational hygienecontaminated clothing before reuse.

# $\underline{\textbf{7.2. Conditions for safe storage, including any incompatibilities}}$

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 controls/Personal protection

#### 8.1. Control parameters

### Occupational exposure limits

#### 1-Methoxy-2-propanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m<sup>3</sup> Sk

## Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup> 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 chomical proportion
Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not available.
рН	pH (concentrated solution): 6.5-9
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	Not available.
Vapour density	Not available.
Relative density	Not available.
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	ıctivity
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.
10.6. Hazardous decompositio	on products
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
SECTION 11: Toxicological int	formation
11.1. Information on toxicologi	cal effects
Toxicological effects	Not regarded as a health hazard under current legislation.
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 LC <sub>50</sub> )	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/irritation 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	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.
General information	
	dependent on the concentration and the length of exposure.
Inhalation	dependent on the concentration and the length of exposure. No specific symptoms known. Spray/mists may cause respiratory tract irritation.
Inhalation Ingestion	dependent on the concentration and the length of exposure. No specific symptoms known. Spray/mists may cause respiratory tract irritation. No specific symptoms known. May cause discomfort if swallowed.
Inhalation Ingestion Skin contact	<ul><li>dependent on the concentration and the length of exposure.</li><li>No specific symptoms known. Spray/mists may cause respiratory tract irritation.</li><li>No specific symptoms known. May cause discomfort if swallowed.</li><li>No specific symptoms known. May cause discomfort.</li></ul>
Inhalation Ingestion Skin contact Eye contact	<ul><li>dependent on the concentration and the length of exposure.</li><li>No specific symptoms known. Spray/mists may cause respiratory tract irritation.</li><li>No specific symptoms known. May cause discomfort if swallowed.</li><li>No specific symptoms known. May cause discomfort.</li><li>No specific symptoms known. May be slightly irritating to eyes.</li></ul>
Inhalation Ingestion Skin contact Eye contact Route of exposure	<ul> <li>dependent on the concentration and the length of exposure.</li> <li>No specific symptoms known. Spray/mists may cause respiratory tract irritation.</li> <li>No specific symptoms known. May cause discomfort if swallowed.</li> <li>No specific symptoms known. May cause discomfort.</li> <li>No specific symptoms known. May be slightly irritating to eyes.</li> <li>Ingestion Inhalation Skin and/or eye contact</li> <li>No specific target organs known.</li> </ul>

### 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 LD <sub>50</sub> )	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/irritation		
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 toxicity - single exposure		
Specific target organ toxici	ty - single exposure	
Specific target organ toxici STOT - single exposure	<b>ty - single exposure</b> STOT SE 3 - H336 May cause drowsiness or dizziness.	
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system	
STOT - single exposure Target organs Specific target organ toxici	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system	
STOT - single exposure Target organs Specific target organ toxici	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system <b>ty - repeated exposure</b>	
STOT - single exposure Target organs Specific target organ toxici STOT - repeated exposure	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system <b>ty - repeated exposure</b>	
STOT - single exposure Target organs Specific target organ toxici STOT - repeated exposure Aspiration hazard	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system <b>ity - repeated exposure</b> Not classified as a specific target organ toxicant after repeated exposure.	
STOT - single exposure Target organs Specific target organ toxici STOT - repeated exposure Aspiration hazard Aspiration hazard	STOT SE 3 - H336 May cause drowsiness or dizziness. Central nervous system ity - repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration	
STOT - single exposure Target organs <u>Specific target organ toxici</u> STOT - repeated exposure <u>Aspiration hazard</u> Aspiration hazard General information	<ul> <li>STOT SE 3 - H336 May cause drowsiness or dizziness.</li> <li>Central nervous system</li> <li>ty - repeated exposure</li> <li>Not classified as a specific target organ toxicant after repeated exposure.</li> <li>Based on available data the classification criteria are not met.</li> <li>The severity of the symptoms described will vary dependent on the concentration and the length of exposure.</li> <li>A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness,</li> </ul>	
STOT - single exposure Target organs <u>Specific target organ toxici</u> STOT - repeated exposure <u>Aspiration hazard</u> Aspiration hazard General information Inhalation	<ul> <li>STOT SE 3 - H336 May cause drowsiness or dizziness.</li> <li>Central nervous system</li> <li>ty - repeated exposure</li> <li>Not classified as a specific target organ toxicant after repeated exposure.</li> <li>Based on available data the classification criteria are not met.</li> <li>The severity of the symptoms described will vary dependent on the concentration and the length of exposure.</li> <li>A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.</li> </ul>	
STOT - single exposure Target organs <u>Specific target organ toxici</u> STOT - repeated exposure <u>Aspiration hazard</u> Aspiration hazard General information Inhalation	<ul> <li>STOT SE 3 - H336 May cause drowsiness or dizziness.</li> <li>Central nervous system</li> <li>ty - repeated exposure</li> <li>Not classified as a specific target organ toxicant after repeated exposure.</li> <li>Based on available data the classification criteria are not met.</li> <li>The severity of the symptoms described will vary dependent on the concentration and the length of exposure.</li> <li>A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.</li> <li>No specific symptoms known.</li> </ul>	
STOT - single exposure Target organs <u>Specific target organ toxici</u> STOT - repeated exposure <u>Aspiration hazard</u> Aspiration hazard General information Inhalation Ingestion Skin contact	<ul> <li>STOT SE 3 - H336 May cause drowsiness or dizziness.</li> <li>Central nervous system</li> <li>ty - repeated exposure</li> <li>Not classified as a specific target organ toxicant after repeated exposure.</li> <li>Based on available data the classification criteria are not met.</li> <li>The severity of the symptoms described will vary dependent on the concentration and the length of exposure.</li> <li>A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.</li> <li>No specific symptoms known.</li> <li>No specific symptoms known.</li> </ul>	

## 2-Methoxypropanol

Acute toxicity - oral	
Notes (oral LD50)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC <sub>50</sub> )	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/irritation	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 toxicit	y - 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
Toxicological effects	Not regarded as a health hazard under current legislation.
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/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	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	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	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.
SECTION 1	2: Ecological information	n
Ecotoxicity	ity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.	
Ecological i	nformation on ingredient	ts.
		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.
12.1. Toxici	ity	
Toxicity	Based on available data the classification criteria are not met.	
Ecological i	nformation on ingredient	ts.
		1-Methoxy-2-propanol
	Toxicity	Based on available data the classification criteria are not met.
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, 96 hours: 20800 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
	Acute toxicity - aquatic	LC₅₀, 48 hours: 21100 mg/l, Daphnia magna

REACH dossier information.

invertebrates

Acute toxicity - aquatic	EC₅₀, 7 days: >1000 mg/l, Selenastrum capricornutum
plants	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	$LC_{\mathfrak{so}},96$ 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	

# 12.2. Persistence and degradability

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

#### Ecological information on ingredients.

### 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	The degradability of the product is not known.

Biodegradation		Water - Degradation 74%: 10 days
Chemical oxyge	n demand	1.99 g O₂/g substance
12.3. Bioaccumulative potent	ial	
Bioaccumulative potential	No data	available on bioaccumulation.
Partition coefficient	Not avai	ilable.
Ecological information on ing	redients.	
		1-Methoxy-2-propanol
Bioaccumulative	e potential	No data available on bioaccumulation.
Partition coeffici	ent	log Pow: <1 REACH dossier information.
		2-Methoxypropanol
Bioaccumulative	e potential	No data available on bioaccumulation.
		Ethanol
Bioaccumulative	e potential	No data available on bioaccumulation.
Partition coeffici	ent	log Pow: -0.35
12.4. Mobility in soil		
Mobility	No data	available.
Ecological information on ing	redients.	
		1-Methoxy-2-propanol
Mobility		No data available.
Surface tension		70.7 mN/m @ 20°C
		2-Methoxypropanol
Mobility		No data available.
Adsorption/desc coefficient	orption	- 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
12.5. Results of PBT and vPv	/B assessn	nent
Ecological information on ing	redients.	
		1-Methoxy-2-propanol

**Results of PBT and vPvB** This substance is not classified as PBT or vPvB according to current EU criteria. **assessment** 

## 2-Methoxypropanol

Results of PBT and vPvB	This substance is not classified as PBT or vPvB according to current EU criteria.
assessment	

#### Ethanol

**Results of PBT and vPvB** This substance is not classified as PBT or vPvB according to current EU criteria. **assessment** 

#### 12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

1-Methoxy-2-propanol

Other adverse effects None known.

2-Methoxypropanol

Other adverse effects None known.

Ethanol

Other adverse effects None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

### SECTION 15: Regulatory information

National regulations	Health and Safety at Work etc. Act 1974 (as amended).
	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
	EH40/2005 Workplace exposure limits.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
	December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
	Chemicals (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.
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Hazard statements in full	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. 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.