# SAFETY DATA SHEET



NORDICA EKO 3894-22 - PL 10242 DOMAT TM 1829

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

1.1 Product identifier

: NORDICA EKO 3894-22 - PL 10242 DOMAT TM 1829 **Product name** 

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

**Product use** : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person : Prod-safe@teknos.com

responsible for this SDS

**National contact** 

Teknos (UK) Limited, 7 Longlands Rd, Bicester, Oxfordshire OX26 5AH, United Kingdom. Tel. +44 (0) 1869 208005.

1.4 Emergency telephone number

**National advisory body/Poison Centre** : NHS: 111 Telephone number

## SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Product definition** : Mixture Classification according to UK CLP/GHS

Skin Sens. 1, H317

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

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

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

#### 2.2 Label elements

**Hazard pictograms** 



: Warning Signal word

**Hazard statements** : H317 - May cause an allergic skin reaction.

**Precautionary statements** 

**Prevention** : P280 - Wear protective gloves.

P261 - Avoid breathing vapour.

: P362 + P364 - Take off contaminated clothing and wash it before reuse. Response

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

: Not applicable. **Storage** 

: P501 - Dispose of contents and container in accordance with all local, regional, **Disposal** 

national and international regulations.

Supplemental label

elements

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## **SECTION 2: Hazards identification**

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

: Not applicable.

#### 2.3 Other hazards

**Product meets the criteria** for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a

vPvB.

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

# **SECTION 3: Composition/information on ingredients**

: Mixture 3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification	Type
2-Butoxyethanol	REACH #: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	<1	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1] [2]
EO bis(benztriazolyl) phenylpropionat	REACH #: 01-0000015075-76 EC: 400-830-7 CAS: 104810-48-2 Index: 607-176-00-3	<1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411	[1]
Propylene glycol	REACH #: 01-2119456809-23 EC: 200-338-0 CAS: 57-55-6	≤0.3	Not classified.	[2]
2,4,7,9-tetramethyl-5-decyne- 4,7-diol	REACH #: 01-2119954390-39 EC: 204-809-1 CAS: 126-86-3	≤0.3	Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	[1]
Ethanediol	REACH #: 01-2119456816-28 EC: 203-473-3 CAS: 107-21-1 Index: 603-027-00-1	≤0.3	Acute Tox. 4, H302 STOT RE 2, H373 (oral)	[1] [2]
Dipropyleneglycolmethylether	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤0.3	Not classified.	[2]
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7	≤0.3	Carc. 2, H351 (inhalation)	[1] [*]
3-iodo-2-propynyl-butyl carbamate	EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7	<0.1	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 (larynx) Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
1-Methoxy 2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1	≤0.1	Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]

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#### SECTION 3: Composition/information on ingredients CAS: 107-98-2 Index: 603-064-00-3 Ammonia REACH #: < 0.1 Skin Corr. 1B, H314 [1] [2] 01-2119488876-14 Eve Dam. 1. H318 EC: 215-647-6 **STOT SE 3. H335** CAS: 1336-21-6 Aquatic Acute 1, H400 Index: 007-001-01-2 (M=1)**Bronopol** EC: 200-143-0 ≤0.1 Acute Tox. 4, H302 [1] CAS: 52-51-7 Acute Tox. 4, H312 Index: 603-085-00-8 Skin Irrit. 2, H315 Eye Dam. 1, H318 **STOT SE 3, H335** Aquatic Acute 1, H400 (M=10)2-Ethoxyethanol EC: 203-804-1 < 0.1 Flam. Liq. 3, H226 [1] [2] Acute Tox. 4, H302 CAS: 110-80-5 Index: 603-012-00-X Acute Tox. 3, H331 Repr. 1B, H360FD EC: 220-239-6 Acute Tox. 3, H301 2-methyl-2H-isothiazol-3-one < 0.01 [1] Acute Tox. 3, H311 CAS: 2682-20-4 Acute Tox. 2. H330 Skin Corr. 1B. H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10)Aquatic Chronic 1, H410 (M=1) **EUH071** EC: 247-761-7 <0.0025 Acute Tox. 3, H301 2-Octyl-2H-isothiazol-3-one [1] Acute Tox. 3, H311 CAS: 26530-20-1 Index: 613-112-00-5 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100)Aquatic Chronic 1, H410 (M=100) EUH071 pyrithione zinc REACH #: ≤0.0032 Acute Tox. 3, H301 [1] Acute Tox. 2, H330 01-2119511196-46 EC: 236-671-3 Eye Dam. 1, H318 CAS: 13463-41-7 Repr. 1B, H360D Index: 613-333-00-7 **STOT RE 1, H372** Aquatic Acute 1, H400 (M=1000)Aquatic Chronic 1, H410 (M=10) See Section 16 for the full text of the H statements declared above.

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

#### **Type**

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

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

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#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

**Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention if irritation occurs.

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

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen

tight clothing such as a collar, tie, belt or waistband.

**Skin contact**: Wash with plenty of soap and water. Remove contaminated clothing and shoes.

Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before

reuse. Clean shoes thoroughly before reuse.

**Ingestion**: Wash out mouth with water. Remove dentures if any. If material has been

swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such

as a collar, tie, belt or waistband.

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

may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear

gloves.

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

#### **Over-exposure signs/symptoms**

Eye contact : No specific data.

Inhalation : No specific data.

**Skin contact**: Adverse symptoms may include the following:

irritation redness

**Ingestion** : No specific data.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing : None known.

media

media

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

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# SECTION 5: Firefighting measures

**Hazardous combustion** products

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

#### 5.3 Advice for firefighters

**Special protective actions** for fire-fighters

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

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### 6.3 Methods and material for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

# SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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# SECTION 7: Handling and storage

#### Advice on general occupational hygiene

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

#### 7.2 Conditions for safe storage, including any incompatibilities

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

#### 7.3 Specific end use(s)

Recommendations : Not available. **Industrial sector specific** : Not available.

solutions

Ethanediol

# SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

#### Occupational exposure limits

2-Butoxyethanol EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours. STEL: 246 mg/m<sup>3</sup> 15 minutes. TWA: 123 mg/m<sup>3</sup> 8 hours.

Propylene glycol EH40/2005 WELs (United Kingdom (UK), 1/2020).

TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Particulate

TWA: 474 mg/m<sup>3</sup> 8 hours. Form: total vapour and particulates TWA: 150 ppm 8 hours. Form: total vapour and particulates EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Particulate TWA: 20 ppm 8 hours. Form: Vapour STEL: 40 ppm 15 minutes. Form: Vapour TWA: 52 mg/m<sup>3</sup> 8 hours. Form: Vapour STEL: 104 mg/m<sup>3</sup> 15 minutes. Form: Vapour

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed Dipropyleneglycolmethylether

through skin.

TWA: 308 mg/m<sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed 1-Methoxy 2-propanol

through skin.

STEL: 560 mg/m<sup>3</sup> 15 minutes. STEL: 150 ppm 15 minutes. TWA: 375 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

Ammonia EH40/2005 WELs (United Kingdom (UK), 1/2020). [ammonia

anhydrous]

STEL: 25 mg/m3 15 minutes. Form: anhydrous STEL: 35 ppm 15 minutes. Form: anhydrous TWA: 25 ppm 8 hours. Form: anhydrous TWA: 18 mg/m<sup>3</sup> 8 hours. Form: anhydrous

2-Ethoxyethanol EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed

through skin.

TWA: 2 ppm 8 hours. TWA: 8 mg/m<sup>3</sup> 8 hours.

**Biological exposure indices** 

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Product/ingredient name	Exposure indices
,	EH40/2005 BMGVs (United Kingdom (UK), 8/2018)  BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine].  Sampling time: post shift.

procedures

**Recommended monitoring**: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Type	Exposure	Value	Population	Effects
2-Butoxyethanol	DNEL	Long term Oral	6.3 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Short term Oral	26.7 mg/	General	Systemic
	DAIEI	1	kg bw/day	population	0
	DNEL	Long term	59 mg/m³	General	Systemic
	DNEL	Inhalation Long term	98 mg/m³	population Workers	Systemic
	DINLL	Inhalation	90 mg/m	VVOIKCIS	Oysternic
	DNEL	Short term	147 mg/m³	General	Local
		Inhalation		population	
	DNEL	Short term	246 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	426 mg/m <sup>3</sup>	General	Systemic
	DAIEI	Inhalation	4004	population	0
	DNEL	Short term Inhalation	1091 mg/ m³	Workers	Systemic
Propylene glycol	DNEL	Long term	10 mg/m³	General	Local
Fropylerie glycol	DINLL	Inhalation	10 mg/m	population	Local
	DNEL	Long term	10 mg/m³	Workers	Local
		Inhalation			
	DNEL	Long term	50 mg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term	168 mg/m <sup>3</sup>	Workers	Systemic
0.4.7.0.4-4	DAIEL	Inhalation	0.05	0	0
2,4,7,9-tetramethyl-5-decyne-4,7-diol	DNEL	Long term Oral	0.25 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.25 mg/	General	Systemic
	DINLL	Long term Dermai	kg bw/day	population	Oysternic
	DNEL	Long term	0.43 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	-,
	DNEL	Long term Dermal	0.5 mg/kg	Workers	Systemic
			bw/day	_	
	DNEL	Short term Oral	0.75 mg/	General	Systemic
	DNEL	Short term Dermal	kg bw/day	population General	Systemia
	DINEL	Short term Dermai	0.75 mg/ kg bw/day	population	Systemic
	DNEL	Short term	1.29 mg/m <sup>3</sup>	General	Systemic
	DIVLL	Inhalation	1.20 mg/m	population	Cyclonic
	DNEL	Short term Dermal	1.5 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term Inhalation	1.76 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term	5.28 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	5		
Ethanediol	DNEL	Long term	7 mg/m³	General	Local
		Inhalation		population	
	DNEL	Long term Inhalation	35 mg/m³	Workers	Local
	DNEL	Long term Dermal	53 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	106 mg/kg	Workers	Systemic
Dispersion and the last to the	ראבי	l and to a cont	bw/day	Camaral	C) rata w= !=
Dipropyleneglycolmethylether	DNEL	Long term Oral	36 mg/kg bw/day	General population	Systemic
			DWIday	ρομαιατίστ	

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	DNEL	Long term	37.2 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	121 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	283 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	308 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
3-iodo-2-propynyl-butyl carbamate	DNEL	Long term	0.023 mg/	Workers	Systemic
		Inhalation	m³		
	DNEL	Short term	0.07 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Short term	1.16 mg/m <sup>3</sup>	Workers	Local
	5. IEI	Inhalation	4 40 4 2		
	DNEL	Long term	1.16 mg/m <sup>3</sup>	Workers	Local
	DAIEI	Inhalation	0 "	\A/ I	0 1 .
	DNEL	Long term Dermal	2 mg/kg	Workers	Systemic
4.14.11	DAIEI		bw/day	0 1	0 1 .
1-Methoxy 2-propanol	DNEL	Long term Oral	33 mg/kg	General	Systemic
	DAIEL	1	bw/day	population	0
	DNEL	Long term	43.9 mg/m <sup>3</sup>	General	Systemic
	DNEL	Inhalation	70 , 00 01/14 01	population	Cuatamaia
	DNEL	Long term Dermal	78 mg/kg	General	Systemic
	חאבי	Long torm Dames	bw/day	population	Systemia
	DNEL	Long term Dermal	183 mg/kg bw/day	Workers	Systemic
	DNEL	l and tarm		Workers	Cuatamia
	DNEL	Long term	369 mg/m <sup>3</sup>	vvoikeis	Systemic
	DNEL	Inhalation Short term	EE2 E mal	Workers	Local
	DINEL	Inhalation	553.5 mg/ m³	WOIKEIS	Local
	DNEL	Short term	553.5 mg/	Workers	Systemic
	DINEL	Inhalation	m <sup>3</sup>	VVOIKEIS	Systemic
Bronopol	DNEL	Short term Dermal	111 4 μg/cm²	General	Local
Віблорої	DINLL	Onort term Dermai	+ μg/cm	population	Local
	DNEL	Long term Dermal	4 μg/cm²	General	Local
	DIVLL	Long term berman	т ру/стт	population	Local
	DNEL	Short term Dermal	8 μg/cm²	Workers	Local
	DNEL	Long term Dermal	8 μg/cm²	Workers	Local
	DNEL	Long term Oral	0.18 mg/	General	Systemic
	D.11	Long tonn oran	kg bw/day	population	Cycle.iiic
	DNEL	Short term Oral	0.5 mg/kg	General	Systemic
	D.11	onon tomi orai	bw/day	population	Cycle.iiic
	DNEL	Short term	0.6 mg/m <sup>3</sup>	General	Local
		Inhalation	J.	population	
	DNEL	Long term	0.6 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	0.7 mg/kg	General	Systemic
		=	bw/day	population	-
	DNEL	Short term	1.8 mg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term Dermal	2 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term Dermal	2.1 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Short term	2.5 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Long term	2.5 mg/m <sup>3</sup>	Workers	Local
	D	Inhalation	0.5	<b>14</b>	
	DNEL	Long term	3.5 mg/m <sup>3</sup>	Workers	Systemic
	D	Inhalation		<b>14</b>	
	DNEL	Short term Dermal	6 mg/kg	Workers	Systemic
	D		bw/day	<b>14</b>	
	DNEL	Short term	10.5 mg/m <sup>3</sup>	Workers	Systemic
0.54	D. :=:	Inhalation	00 . / 3	NA/ I	0
2-Ethoxyethanol	DNEL	Long term	83 µg/m³	Workers	Systemic
		Inhalation			
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	DNEL	Long term Dermal	0.3 mg/kg bw/day	Workers	Systemic
2-methyl-2H-isothiazol-3-one	DNEL	Long term	0.021 mg/	General	Local
	DNEL	Long term	0.021 mg/	Workers	Local
	DNEL	Long term Oral	0.027 mg/	General	Systemic
	DNEL	Short term	0.043 mg/	General	Local
	DNEL	Short term	0.043 mg/	Workers	Local
	DNEL	Short term Oral	0.053 mg/	General	Systemic
pyrithione zinc	DNEL	Long term Dermal	kg bw/day 0.01 mg/ kg bw/day	population Workers	Systemic
		2-methyl-2H-isothiazol-3-one  DNEL  DNEL  DNEL  DNEL  DNEL  DNEL  DNEL  DNEL  DNEL	2-methyl-2H-isothiazol-3-one  DNEL Long term Inhalation Long term Inhalation Long term Oral  DNEL Short term Inhalation Short term Inhalation Short term Inhalation Short term Oral	2-methyl-2H-isothiazol-3-one  DNEL Long term   0.021 mg/   m³   0.027 mg/   kg bw/day   DNEL   Short term   0.043 mg/   lnhalation   m³   0.053 mg/   kg bw/day   pyrithione zinc   DNEL   Long term   Dermal   0.01 mg/   0.01 mg/	2-methyl-2H-isothiazol-3-one  DNEL Long term   0.021 mg/ population   DNEL Long term   0.021 mg/ population   Workers    DNEL Long term Oral   0.027 mg/ kg bw/day   DNEL Short term   0.043 mg/ lnhalation   m³   General population    DNEL Short term   0.043 mg/ General population   DNEL Short term   0.043 mg/ lnhalation   m³   Workers    DNEL Short term   0.043 mg/ Workers   DNEL Short term   0.053 mg/ kg bw/day   DNEL Short term   0.053 mg/ kg bw/day   DNEL Short term   0.053 mg/ kg bw/day   DNEL Short term   D

#### **PNECs**

No PNECs available

#### 8.2 Exposure controls

Appropriate engineering

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

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products. before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

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

## **Skin protection Hand protection**

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

Recommendations: Wear suitable gloves tested to EN374.

> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm Not recommended polyvinyl alcohol (PVA) gloves

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

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

**Respiratory protection** 

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type (spray application):

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**Environmental exposure** controls

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

# SECTION 9: Physical and chemical properties

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

#### 9.1 Information on basic physical and chemical properties

**Appearance** 

**Physical state** : Liquid. Colour Brown. Odour Slight

**Odour threshold** : Not available. Melting point/freezing point : Not available.

Initial boiling point and

Ingredient name

boiling range

°C Method

212 water 100 Ethyldiglycol 196 384.8

Flammability (solid, gas) : Not available.

Upper/lower flammability or

explosive limits

: Lower: Not applicable. Upper: Not applicable.

: Closed cup: >100°C (>212°F) Flash point

**Auto-ignition temperature** 

Ingredient name	°C	°F	Method
Ethyldiglycol	204	399.2	

**Decomposition temperature** : Not available.

: 8.4 to 9.1 [Conc. (% w/w): 100%] pН

**Viscosity** Not available.

Solubility(ies)

Not available.

Solubility in water : Not available. Partition coefficient: n-octanol/ : Not applicable.

water

Vapour pressure

	Va	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
water	17.5	2.3					
Ethyldialycol	0.14	0.019					

**Relative density** : Not available. : 1 g/cm<sup>3</sup> **Density** Vapour density Not available. **Explosive properties** : Not available.

: Not available.

**Particle characteristics** 

Oxidising properties

Median particle size : Not applicable.

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# **SECTION 10: Stability and reactivity**

10.1 Reactivity

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

10.2 Chemical stability : The product is stable.

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

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Propylene glycol	LD50 Dermal	Rabbit	20800 mg/kg	-
	LD50 Oral	Rat	20 g/kg	-
Ethanediol	LD50 Oral	Rat	4700 mg/kg	-
3-iodo-2-propynyl-butyl carbamate	LC50 Inhalation Dusts and mists	Rat	0.67 g/m³	4 hours
	LC50 Inhalation Dusts and mists	Rat	0.763 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	400 mg/kg	-
1-Methoxy 2-propanol	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	6600 mg/kg	-
Ammonia	LD50 Oral	Rat	350 mg/kg	-
Bronopol	LC50 Inhalation Dusts and mists	Rat	>0.588 mg/l	4 hours
	LD50 Dermal	Rat	4750 mg/kg	-
	LD50 Oral	Rat	307 mg/kg	-
2-Ethoxyethanol	LD50 Dermal	Rabbit	3.6 g/kg	-
•	LD50 Dermal	Rat	3900 mg/kg	-
	LD50 Oral	Rat	2125 mg/kg	-
2-methyl-2H-isothiazol-	LC50 Inhalation Dusts and	Rat	0.11 mg/l	4 hours
3-one	mists			
2-Octyl-2H-isothiazol-3-one	LD50 Dermal	Rabbit	690 mg/kg	-
-	LD50 Oral	Rat	550 mg/kg	-
pyrithione zinc	LC50 Inhalation Dusts and mists	Rat	140 mg/m³	4 hours
	LD50 Dermal	Rabbit	100 mg/kg	-
	LD50 Oral	Rat	177 mg/kg	-

Conclusion/Summary

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

#### **Acute toxicity estimates**

Route	ATE value
Not available.	

### **Irritation/Corrosion**

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# **SECTION 11: Toxicological information**

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-Butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				mg	
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Propylene glycol	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Mild irritant	Human	-	mg 168 hours 500 mg	-
	Skin - Mild irritant	Woman	-	96 hours 30 %	-
	Skin - Moderate irritant	Child	-	96 hours 30 % C	-
	Skin - Moderate irritant	Human	-	72 hours 104 mg I	-
2,4,7,9-tetramethyl-5-decyne- 4,7-diol	Eyes - Severe irritant	Rabbit	-	0.1 MI	-
	Skin - Mild irritant	Rabbit	-	0.5 g	-
Ethanediol	Eyes - Mild irritant	Rabbit	-	1 hours 100	-
	Eyes - Mild irritant	Rabbit	-	mg 24 hours 500 mg	-
	Eyes - Moderate irritant	Rabbit	-	6 hours 1440 mg	-
	Skin - Mild irritant	Rabbit	_	555 mg	_
Dipropyleneglycolmethylether	Eyes - Mild irritant	Human	-	8 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug I	-
3-iodo-2-propynyl-butyl	Eyes - Severe irritant	Rabbit	-	- -	-
carbamate 1-Methoxy 2-propanol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Claim Mild invitant	Dabbit		mg	
Ammonio	Skin - Mild irritant	Rabbit	-	500 mg	-
Ammonia	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Eyes - Severe irritant	Rabbit	_	250 ug	_
Bronopol	Skin - Mild irritant	Rabbit	_	24 hours 500	_
				mg	
	Skin - Moderate irritant	Human	-	10 mg	-
	Skin - Moderate irritant	Rabbit	-	80 mg	-
2-Ethoxyethanol	Eyes - Mild irritant	Guinea pig	-	10 ug	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Cues Mederate imiterat	Dabbit		mg	
	Eyes - Moderate irritant	Rabbit	-	50 mg	-
2 Oatul 2H inathiazal 2 aza	Skin - Mild irritant	Rabbit	-	500 mg	-
2-Octyl-2H-isothiazol-3-one	Eyes - Severe irritant	Rabbit	-	100 mg	-

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

#### **Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
3-iodo-2-propynyl-butyl carbamate	skin	Guinea pig	Not sensitizing

**Conclusion/Summary**: May cause an allergic skin reaction.

**Mutagenicity** 

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# **SECTION 11: Toxicological information**

Product/ingredient name	Test	Experiment	Result
3-iodo-2-propynyl-butyl carbamate	-	Experiment: In vitro Subject: Bacteria	Negative

**Conclusion/Summary** 

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

**Carcinogenicity** 

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

**Reproductive toxicity** 

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
3-iodo-2-propynyl-butyl carbamate	Negative	-	Negative			13 days; 7 days per week
	Positive	-	Negative			13 days; 7 days per week

**Conclusion/Summary** 

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

**Teratogenicity** 

Product/ingredient name	Result	Species	Dose	Exposure
3-iodo-2-propynyl-butyl carbamate	Negative - Oral	Rabbit - Female	50 mg/kg	-

**Conclusion/Summary** 

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

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
1-Methoxy 2-propanol	Category 3	-	Narcotic effects
Ammonia	Category 3	-	Respiratory tract irritation
Bronopol	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Ethanediol	Category 2	oral	-
3-iodo-2-propynyl-butyl carbamate	Category 1	-	larynx
pyrithione zinc	Category 1	-	-

#### **Aspiration hazard**

Not available.

**Information on likely routes**: Not available.

of exposure

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards. : No known significant effects or critical hazards. Inhalation

**Skin contact** : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data. Inhalation : No specific data.

**Skin contact** : Adverse symptoms may include the following:

> irritation redness

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# **SECTION 11: Toxicological information**

: No specific data. Ingestion

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

**Short term exposure** 

**Potential immediate** 

effects

: Not available.

**Potential delayed effects** 

: Not available.

**Long term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary** 

: Not available.

General

: Once sensitized, a severe allergic reaction may occur when subsequently exposed

to very low levels.

Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Reproductive toxicity : No known significant effects or critical hazards.

Other information : Not available.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2-Butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Water flea - <i>Daphnia</i> magna	48 hours
	Acute LC50 800000 μg/l Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
	Acute LC50 1250000 μg/l Marine water	Fish - Inland silverside - Menidia beryllina	96 hours
Propylene glycol	Acute EC50 19300 mg/l Fresh water	Algae - Algae	96 hours
	Acute EC50 43500 mg/l Fresh water	Daphnia - Daphnia - Daphnia magna	48 hours
	Acute LC50 18340000 μg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia	48 hours
	Acute LC50 40613 mg/l Fresh water	Fish - Trout - Oncorhynchus mykiss	96 hours
2,4,7,9-tetramethyl- 5-decyne-4,7-diol	EC50 91 mg/l	Daphnia - <i>Daphnia magna</i>	48 hours
	LC50 42 mg/l	Fish - Cyprinus carpio	96 hours
Ethanediol	Acute LC50 6900000 μg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 41000000 μg/l Fresh water	Daphnia - Water flea - <i>Daphnia</i> magna - Neonate	48 hours
	Acute LC50 8050000 μg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Water flea - <i>Daphnia</i> pulex - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Mummichog - Fundulus heteroclitus	96 hours
3-iodo-2-propynyl-butyl carbamate	Acute EC50 0.022 mg/l Fresh water	Algae - Algae - Scenedemus subspicatus	72 hours
	Acute EC50 0.16 mg/l Fresh water	Daphnia - Daphnia - Daphnia magna	48 hours
	Acute LC50 0.067 mg/l Fresh water	Fish - Trout - Oncorhynchus	96 hours

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# **SECTION 12: Ecological information**

ozonon iz. zoologi			
		mykiss	
	Acute NOEC 0.049 mg/l Fresh water	Fish - Trout - Oncorhynchus	96 hours
		mykiss	
	Chronic NOEC 0.05 mg/l Fresh water	Daphnia - Daphnia - Daphnia	21 days
	_	Magna	
Ammonia	Acute LC50 37 ppm Fresh water	Fish - Western mosquitofish -	96 hours
		Gambusia affinis - Adult	
Bronopol	Acute EC50 0.4 mg/l	Algae	72 hours
·	Acute EC50 0.02 ppm Fresh water	Algae - Green algae -	96 hours
		Scenedesmus subspicatus	
	Acute EC50 1.4 mg/l	Daphnia	48 hours
	Acute LC50 41.2 mg/l	Fish	96 hours
	Acute LC50 11.17 ppm Fresh water	Fish - Bluegill - Lepomis	96 hours
		macrochirus	
	Chronic NOEC 1.94 ppm	Fish - Rainbow trout,donaldson	49 days
	11	trout - Oncorhynchus mykiss	1
2-Ethoxyethanol	Acute LC50 >10000000 µg/l Fresh	Fish - Bluegill - Lepomis	96 hours
,	water	macrochirus	
2-methyl-2H-isothiazol-3-one	Acute EC50 0.18 ppm Fresh water	Daphnia - Water flea - Daphnia	48 hours
,		magna	
	Acute LC50 0.07 ppm Fresh water	Fish - Rainbow trout,donaldson	96 hours
	11	trout - Oncorhynchus mykiss	
2-Octyl-2H-isothiazol-3-one	Acute EC50 107 ppb Fresh water	Daphnia - Water flea - <i>Daphnia</i>	48 hours
	ррания 2000 на грания	magna	
	Acute LC50 47 ppb Fresh water	Fish - Rainbow trout,donaldson	96 hours
		trout - Oncorhynchus mykiss	
	Chronic NOEC 74 ppb Fresh water	Daphnia - Water flea - <i>Daphnia</i>	21 days
	- по	magna	, .
	Chronic NOEC 8.5 ppb	Fish - Fathead minnow -	35 days
	Children and Local Phil	Pimephales promelas	
pyrithione zinc	Acute EC50 0.51 µg/l Marine water	Algae - Diatom - <i>Thalassiosira</i>	96 hours
Pyria	руктанно положни	pseudonana	001100110
	Acute EC50 38 µg/l Fresh water	Crustaceans - Ostracod -	48 hours
	Triodio 2000 00 µg/11 10011 Water	llyocypris dentifera	10 Hours
	Acute EC50 8.25 ppb Fresh water	Daphnia - Water flea - <i>Daphnia</i>	48 hours
	/ todio 2000 0.20 pps i room water	magna	10 110 410
	Acute LC50 2.68 ppb Fresh water	Fish - Fathead minnow -	96 hours
	, todio 2000 2.00 pps i roon water	Pimephales promelas	00110010
	Chronic EC10 0.36 µg/l Marine water	Algae - Diatom - <i>Thalassiosira</i>	96 hours
	Sinoino 2010 0.00 pg/1 marino water	pseudonana	
	Chronic NOEC 2.7 ppb Fresh water	Daphnia - Water flea - <i>Daphnia</i>	21 days
	Sino ito Lo Zir ppb i room water	magna	
		magna	

**Conclusion/Summary** 

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

#### 12.2 Persistence and degradability

**Conclusion/Summary** : This product has not been tested for biodegradation.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Propylene glycol	-	-	Readily
3-iodo-2-propynyl-butyl carbamate	-	-	Not readily
Bronopol	-	-	Readily

#### 12.3 Bioaccumulative potential

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# **SECTION 12: Ecological information**

Product/ingredient name	LogPow	BCF	Potential
2-Butoxyethanol	0.81	-	Low
Propylene glycol	-1.07	-	Low
Ethanediol	-1.36	-	Low
Dipropyleneglycolmethylether	0.004	-	Low
3-iodo-2-propynyl-butyl	>1	-	Low
carbamate			
1-Methoxy 2-propanol	<1	-	Low
Bronopol	0.18	-	Low
2-Ethoxyethanol	-0.32	-	Low
2-Octyl-2H-isothiazol-3-one	2.45	-	Low
pyrithione zinc	0.9	11	Low

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

**Mobility** : Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### **Product**

**Methods of disposal** 

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

**European waste** catalogue (EWC)

080112

**Packaging** 

**Methods of disposal** 

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

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

# **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	9006	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	-	-
14.3 Transport hazard class(es)	-	9	-	-

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#### **SECTION 14: Transport information** 14.4 Packing group No. 14.5 No. Yes. No. **Environmental** hazards

#### **Additional information**

**ADN** 

: The product is only regulated as a dangerous good when transported in tank

vessels.

user

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

the event of an accident or spillage.

14.7 Transport in bulk

according to IMO instruments

: Not relevant/applicable due to nature of the product.

# **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture **UK (GB)/REACH**

#### **Annex XIV - List of substances subject to authorisation**

#### **Annex XIV**

None of the components are listed.

#### Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Toxic to reproduction	2-ethoxyethanol	Candidate	-	12/15/2010

#### **Ozone depleting substances**

Not listed.

#### **Prior Informed Consent (PIC)**

Not listed.

#### **Persistent Organic Pollutants**

Not listed.

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

Product/ingredient name	%	Designation [Usage]
NORDICA EKO 3894-22	≥90	3

## **Seveso Directive**

This product is not controlled under the Seveso Directive.

#### **EU regulations**

**Industrial emissions** 

: Not listed

(integrated pollution

prevention and control) -

**Industrial emissions** (integrated pollution : Not listed

prevention and control) -

Water

#### **International regulations**

Chemical Weapon Convention List Schedules I, II & III Chemicals

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# **SECTION 15: Regulatory information**

Not listed.

#### **Montreal Protocol**

Not listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

Not listed.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

# 15.2 Chemical safety

assessment

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

#### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and** acronyms

: ATE = Acute Toxicity Estimate

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and

Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019

No. 720 and amendments

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = GB CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification

Classification	Justification
Skin Sens. 1, H317	Calculation method

#### Full text of abbreviated H statements

1	
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360D	May damage the unborn child.
H360FD	May damage fertility. May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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#### SECTION 16: Other information

#### Full text of classifications

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

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revision

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#### **Notice to reader**

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a quarantee of the product's properties.

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