# SAFETY DATA SHEET



AQUATOP 2760-02 - All variants

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

#### 1.1 Product identifier

**Product name** : AQUATOP 2760-02 - All variants

#### 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** Telephone number : NHS: 111

#### 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 Aquatic Chronic 3, H412

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** 



Signal word : Warning

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

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements** 

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

P273 - Avoid release to the environment.

P261 - Avoid breathing vapour.

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

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

**Storage** : Not applicable.

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

national and international regulations.

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### **SECTION 2: Hazards identification**

Supplemental label elements

**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**

#### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Туре
Z-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]
2-(2-butoxyethoxy)ethanol	REACH #: 01-2119475104-44 EC: 203-961-6 CAS: 112-34-5 Index: 603-096-00-8	<1	Eye Irrit. 2, H319	[1] [2]
3-iodo-2-propynyl-butyl carbamate	EC: 259-627-5 CAS: 55406-53-6 Index: 616-212-00-7	≤0.2	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]
adipohydrazide	REACH #: 01-2119962900-36 EC: 213-999-5 CAS: 1071-93-8	≤0.3	Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
magnesium carbonate	EC: 208-915-9 CAS: 546-93-0	≤0.1	Not classified.	[2]
Ammonia	REACH #: 01-2119488876-14 EC: 215-647-6 CAS: 1336-21-6 Index: 007-001-01-2	<0.1	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1)	[1] [2]
ammonia, anhydrous	EC: 231-635-3 CAS: 7664-41-7 Index: 007-001-00-5	<0.1	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3, H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	[1] [2]
4,5-dichloro-2-octyl-2H-isothiazol- 3-one	EC: 264-843-8 CAS: 64359-81-5 Index: 613-335-00-8	≤0.022	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Corr. 1, H314	[1]

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

<u> </u>				
			Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	
Kaolin	EC: 310-194-1 CAS: 1332-58-7	≤0.1	Not classified.	[2]
Ethanediol	REACH #: 01-2119456816-28 EC: 203-473-3 CAS: 107-21-1 Index: 603-027-00-1	≤0.1	Acute Tox. 4, H302 STOT RE 2, H373 (oral)	[1] [2]
2-Ethoxyethanol	EC: 203-804-1 CAS: 110-80-5 Index: 603-012-00-X	<0.1	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H331 Repr. 1B, H360FD	[1] [2] [3]
crystalline silica, respirable powder	EC: 238-878-4 CAS: 14808-60-7	≤0.1	Not classified.	[2]
Diethylene glycol	REACH #: 01-2119457857-21 EC: 203-872-2 CAS: 111-46-6	≤0.1	Acute Tox. 4, H302	[1] [2]
Formaldehyde	REACH #: 01-2119488953-20 EC: 200-001-8 CAS: 50-00-0 Index: 605-001-00-5	<0.1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.	[1] [2]

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

- Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance with carcinogenic, mutagenic or reproductive toxicity properties

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

#### 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.

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

#### 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 media

: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing** 

media

: None known.

#### 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. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**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.

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### SECTION 5: Firefighting measures

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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

### **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). Water polluting material. May be harmful to the environment if released in large quantities.

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

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

#### 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. Avoid release to the environment. 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.

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

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### **SECTION 7: Handling and storage**

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. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

### **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 15 minutes: 50 ppm. TWA 8 hours: 25 ppm. STEL 15 minutes: 246 mg/m³. TWA 8 hours: 123 mg/m³.

2-(2-butoxyethoxy)ethanol EH40/2005 WELs (United Kingdom (UK), 1/2020)

TWA 8 hours: 10 ppm. TWA 8 hours: 67.5 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 101.2 mg/m³.

magnesium carbonate EH40/2005 WELs (United Kingdom (UK), 1/2020)

TWA 8 hours: 10 mg/m³. Form: inhalable dust. TWA 8 hours: 4 mg/m³. Form: respirable dust.

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

STEL 15 minutes: 25 mg/m³. Form: anhydrous. STEL 15 minutes: 35 ppm. Form: anhydrous. TWA 8 hours: 25 ppm. Form: anhydrous. TWA 8 hours: 18 mg/m³. Form: anhydrous.

ammonia, anhydrous EH40/2005 WELs (United Kingdom (UK), 1/2020) [ammonia]

STEL 15 minutes: 25 mg/m³. Form: anhydrous. STEL 15 minutes: 35 ppm. Form: anhydrous. TWA 8 hours: 25 ppm. Form: anhydrous. TWA 8 hours: 18 mg/m³. Form: anhydrous.

Kaolin EH40/2005 WELs (United Kingdom (UK), 1/2020)

TWA 8 hours: 2 mg/m<sup>3</sup>. Form: respirable dust.

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

through skin.

TWA 8 hours: 10 mg/m³. Form: Particulate. TWA 8 hours: 20 ppm. Form: Vapour. STEL 15 minutes: 40 ppm. Form: Vapour. TWA 8 hours: 52 mg/m³. Form: Vapour. STEL 15 minutes: 104 mg/m³. Form: Vapour.

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

through skin.

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

crystalline silica, respirable powder EH40/2005 WELs (United Kingdom (UK), 1/2020) [silica,

respirable crystalline] Carc.

TWA 8 hours: 0.1 mg/m³. Form: Respirable fraction. **EH40/2005 WELs (United Kingdom (UK), 1/2020)** 

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TWA 8 hours: 101 mg/m<sup>3</sup>. TWA 8 hours: 23 ppm.

Formaldehyde EH40/2005 WELs (United Kingdom (UK), 1/2020) Carc.

STEL 15 minutes: 2.5 mg/m<sup>3</sup>. STEL 15 minutes: 2 ppm. TWA 8 hours: 2 ppm.

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Diethylene glycol

TWA 8 hours: 2.5 mg/m<sup>3</sup>.

#### **Biological exposure indices**

Product/ingredient name	Exposure indices
<b>2</b> -Butoxyethanol	EH40/2005 BMGVs (United Kingdom (UK), 1/2020) BGV: 240 mmol/mol creatinine, butoxyacetic acid [in urine]. Sampling time: post shift.

# Recommended monitoring procedures

: Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

#### Product/ingredient name

2-Butoxyethanol

#### Result

DNEL - General population - Long term - Oral

6.3 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Oral

26.7 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

59 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 

98 mg/m<sup>3</sup>

Effects: Systemic

DNEL - General population - Short term - Inhalation

147 mg/m³ Effects: Local

DNEL - Workers - Short term - Inhalation

246 mg/m³ Effects: Local

DNEL - General population - Short term - Inhalation

426 mg/m³ Effects: Systemic

DNEL - Workers - Short term - Inhalation

1091 mg/m³ Effects: Systemic

2-(2-butoxyethoxy)ethanol DNEL - General population - Long term - Oral

6.25 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Inhalation** 

67.5 mg/m³ Effects: Local

**DNEL - Workers - Short term - Inhalation** 

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101.2 mg/m³ Effects: Local

3-iodo-2-propynyl-butyl carbamate DNEL - Workers - Long term - Inhalation

0.023 mg/m<sup>3</sup>

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Effects: Systemic

**DNEL - Workers - Short term - Inhalation** 

0.07 mg/m³ Effects: Systemic

**DNEL - Workers - Short term - Inhalation** 

1.16 mg/m³ Effects: Local

**DNEL - Workers - Long term - Inhalation** 

1.16 mg/m³ Effects: Local

**DNEL - Workers - Long term - Dermal** 

2 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Long term - Inhalation** 

17.5 mg/m³ Effects: Systemic

magnesium carbonate DNEL - General population - Short term - Oral

7.23 mg/kg bw/day <a href="Effects">Effects</a>: Systemic

DNEL - General population - Long term - Oral

7.23 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

2.8 mg/m³ Effects: Local

DNEL - General population - Short term - Oral

6.8 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Oral

6.8 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Dermal

6.8 mg/kg bw/day Effects: Systemic

**DNEL - General population - Long term - Dermal** 

6.8 mg/kg bw/day <u>Effects</u>: Systemic

**DNEL - Workers - Short term - Dermal** 

6.8 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

6.8 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Inhalation

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7.2 mg/m³ Effects: Local

**DNEL - Workers - Long term - Inhalation** 

14 mg/m³ Effects: Local

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adipohydrazide

ammonia, anhydrous

DNEL - General population - Short term - Inhalation

23.8 mg/m³ Effects: Systemic

**DNEL - General population - Long term - Inhalation** 

23.8 mg/m³ Effects: Systemic

**DNEL - Workers - Short term - Inhalation** 

36 mg/m³ Effects: Local

**DNEL - Workers - Short term - Inhalation** 

47.6 mg/m³
Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 

47.6 mg/m³
<u>Effects</u>: Systemic

DNEL - General population - Long term - Inhalation

7 mg/m³ Effects: Local

**DNEL - Workers - Long term - Inhalation** 

35 mg/m³ Effects: Local

**DNEL - General population - Long term - Dermal** 

53 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

106 mg/kg bw/day Effects: Systemic

2-Ethoxyethanol DNEL - Workers - Long term - Inhalation

83 µg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

0.3 mg/kg bw/day Effects: Systemic

Diethylene glycol DNEL - Workers - Long term - Inhalation

44 mg/m³
Effects: Systemic

DNEL - General population - Long term - Inhalation

12 mg/m³ Effects: Local

DNEL - General population - Long term - Inhalation

12 mg/m³ Effects: Systemic

**DNEL - General population - Long term - Dermal** 

21 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

43 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 

60 mg/m<sup>3</sup>

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Ethanediol

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Effects: Local

Formaldehyde

**DNEL - General population - Long term - Dermal** 

12 µg/cm<sup>2</sup> Effects: Local

**DNEL - Workers - Long term - Dermal** 

37 µg/cm<sup>2</sup> Effects: Local

DNEL - General population - Long term - Inhalation

0.1 mg/m<sup>3</sup> Effects: Local

**DNEL - Workers - Long term - Inhalation** 

0.375 mg/m<sup>3</sup> Effects: Local

DNEL - Workers - Short term - Inhalation

0.75 mg/m<sup>3</sup> Effects: Local

DNEL - General population - Long term - Inhalation

3.2 mg/m<sup>3</sup>

Effects: Systemic

DNEL - General population - Long term - Oral

4.1 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 

9 ma/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Long term - Dermal** 

102 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

240 mg/kg bw/day Effects: Systemic

#### **PNECs**

Not available.

#### 8.2 Exposure controls

**Appropriate engineering** controls

: 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**

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#### **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.

Nitrile gloves. thickness > 0.3 mm > 8 hours (breakthrough time): 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):

#### **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 Various **Odour** : Slight Not available. **Odour threshold** 

Melting point/freezing point

Initial boiling point and

boiling range

Not available.

Ingredient name	°C	°F	Method
water	100	212	
Ethyldialycol	196	384.8	

Flammability (solid, gas) : Not available.

Upper/lower flammability or

explosive limits

wer: 1.2% (2-(2-ethoxyethoxy)ethanol) Upper: 23.5% (2-(2-ethoxyethoxy)ethanol)

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

**Auto-ignition temperature** 

Ingredient name	°C	°F	Method
<b>€</b> thyldiglycol	204	399.2	

**Decomposition temperature** 

: Not available.

: 8 to 9 [Conc. (% w/w): 100%]

**Viscosity** 

Dynamic (room temperature): Not available. Kinematic (room temperature): Not available.

Kinematic (40°C): Not available.

Solubility(ies)

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### SECTION 9: Physical and chemical properties

Not available.

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

water

Vapour pressure

	Vapour Pressure at 20°C			Vap	our pressu	re at 50°C
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3				
Ethyldiglycol	0.14	0.019				

: Not available. **Relative density** : 1.2 g/cm<sup>3</sup> **Density** Vapour density : Not available. : Not available. **Explosive properties** : Not available. **Oxidising properties** 

**Particle characteristics** 

Median particle size : Not applicable.

#### 9.2 Other information

Not available.

### 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

2-(2-butoxyethoxy)ethanol Rabbit - Dermal - LD50

2700 mg/kg

Rat - Oral - LD50 4500 mg/kg

Toxic effects: Behavioral - Tetany Lung, Thorax, or Respiration

- Dyspnea Liver - Other changes

3-iodo-2-propynyl-butyl carbamate Rat - Oral - LD50

400 mg/kg

Rat - Dermal - LD50

>2000 mg/kg

Rat - Inhalation - LC50 Dusts and mists

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0.763 mg/l [4 hours]

Rat - Inhalation - LC50 Dusts and mists

0.67 g/m<sup>3</sup> [4 hours]

magnesium carbonate Rat - Oral - LD50

8000 mg/kg

Ammonia Rat - Oral - LD50

350 mg/kg

<u>Toxic effects</u>: Gastrointestinal - Other changes Liver - Other changes Kidney, Ureter, and Bladder - Other changes

ammonia, anhydrous Rat - Inhalation - LC50 Gas.

2000 ppm [4 hours]

Rat - Inhalation - LC50 Gas.

9500 ppm [1 hours]

Rat - Inhalation - LC50 Vapour

4673 mg/m<sup>3</sup> [4 hours]

4,5-dichloro-2-octyl-2H-isothiazol-3-one Rat - Oral - LD50

1585 mg/kg

**OECD** [Acute Oral Toxicity]

Rabbit - Dermal - LD50

>652 mg/kg

**OECD** [Acute Dermal Toxicity]

Rat - Male, Female - Inhalation - LC50 Dusts and mists

0.26 mg/l [4 hours]

**OECD** [Acute Inhalation Toxicity]

Ethanediol Rat - Oral - LD50

4700 mg/kg

2-Ethoxyethanol Rat - Oral - LD50

2125 mg/kg

<u>Toxic effects</u>: Behavioral - Somnolence (general depressed activity) Behavioral - Withdrawal Lung, Thorax, or Respiration -

Respiratory depression

Rat - Dermal - LD50

3900 mg/kg

Rabbit - Dermal - LD50

3.6 g/kg

Diethylene glycol Rabbit - Dermal - LD50

11890 mg/kg

Rat - Oral - LD50

12000 ma/ka

<u>Toxic effects</u>: Brain and Coverings - Other degenerative changes Liver - Other changes Kidney, Ureter, and Bladder -

Other changes

Formaldehyde Rat - Oral - LD50

100 mg/kg

Rabbit - Dermal - LD50

270 mg/kg

Rat - Inhalation - LC50 Gas.

250 ppm [4 hours]

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Conclusion/Summary [Product] : Not available.

#### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>AQUATOP 2760-02</b>	N/A	N/A	N/A	N/A	360.7
2-Butoxyethanol	1200	N/A	N/A	11	N/A
2-(2-butoxyethoxy)ethanol	4500	2700	N/A	N/A	N/A
3-iodo-2-propynyl-butyl carbamate	400	N/A	N/A	N/A	0.67
magnesium carbonate	8000	N/A	N/A	N/A	N/A
ammonia, anhydrous	N/A	N/A	2000	4.673	N/A
4,5-dichloro-2-octyl-2H-isothiazol-3-one	567	N/A	N/A	N/A	0.16
Ethanediol	500	N/A	N/A	N/A	N/A
2-Ethoxyethanol	500	3600	N/A	3	N/A
Diethylene glycol	500	11890	N/A	N/A	N/A
Formaldehyde	100	270	250	N/A	N/A

Result

#### **Skin corrosion/irritation**

Product/ingredient name

Z-Butoxyethanol Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Ethanediol Rabbit - Skin - Mild irritant

Amount/concentration applied: 555 mg

2-Ethoxyethanol Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Diethylene glycol Human - Skin - Mild irritant

<u>Duration of treatment/exposure</u>: 72 hours <u>Amount/concentration applied</u>: 112 mg I

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Formaldehyde Human - Skin - Mild irritant

<u>Duration of treatment/exposure</u>: 72 hours <u>Amount/concentration applied</u>: 150 ug I

Human - Skin - Severe irritant

Amount/concentration applied: 0.01 %

Rabbit - Skin - Mild irritant

Amount/concentration applied: 540 mg

Rabbit - Skin - Moderate irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 50 mg

Rabbit - Skin - Severe irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 2 mg

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Rabbit - Skin - Severe irritant Amount/concentration applied: 0.8 %

Mouse - Skin - Moderate irritant Amount/concentration applied: 7 %

Rat - Skin - Moderate irritant

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Amount/concentration applied: 7 %

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name Result

**2**-Butoxyethanol Rabbit - Eyes - Moderate irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 100 mg

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 100 mg

2-(2-butoxyethoxy)ethanol Rabbit - Eyes - Moderate irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 20 mg

Rabbit - Eyes - Severe irritant
Amount/concentration applied: 20 mg

3-iodo-2-propynyl-butyl carbamate Rabbit - Eyes - Severe irritant

Ammonia Rabbit - Eyes - Severe irritant

Amount/concentration applied: 250 ug

Rabbit - Eyes - Severe irritant <u>Amount/concentration applied</u>: 44 ug

Rabbit - Eyes - Severe irritant

<u>Duration of treatment/exposure</u>: 0.5 minutes

Amount/concentration applied: 1 mg

Ethanediol Rabbit - Eyes - Mild irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 500 mg

Rabbit - Eyes - Mild irritant

<u>Duration of treatment/exposure</u>: 1 hours <u>Amount/concentration applied</u>: 100 mg

Rabbit - Eves - Moderate irritant

<u>Duration of treatment/exposure</u>: 6 hours <u>Amount/concentration applied</u>: 1440 mg

2-Ethoxyethanol Guinea pig - Eyes - Mild irritant

Amount/concentration applied: 10 ug

Rabbit - Eyes - Mild irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 500 mg

Rabbit - Eyes - Moderate irritant Amount/concentration applied: 50 mg

Diethylene glycol Rabbit - Eyes - Mild irritant

Amount/concentration applied: 50 mg

Formaldehyde Human - Eyes - Mild irritant

<u>Duration of treatment/exposure</u>: 6 minutes <u>Amount/concentration applied</u>: 1 ppm

Rabbit - Eyes - Severe irritant

<u>Duration of treatment/exposure</u>: 24 hours Amount/concentration applied: 750 ug

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Rabbit - Eyes - Severe irritant

Amount/concentration applied: 750 ug

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 37 %

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 10 mg

Mouse - Eyes - Moderate irritant

Amount/concentration applied: 3 %

Conclusion/Summary [Product] : Not available.

**Respiratory corrosion/irritation** 

Not available.

**Conclusion/Summary [Product]**: Not available.

Respiratory or skin sensitization

Product/ingredient name Result

Result: Not sensitizing

Skin

**Conclusion/Summary [Product]**: Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

**Germ cell mutagenicity** 

Product/ingredient name Result

3-iodo-2-propynyl-butyl carbamate In vitro - Bacteria

Result: Negative

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

**Reproductive toxicity** 

Product/ingredient name Result

3-iodo-2-propynyl-butyl carbamate Rabbit - Female - Oral

50 mg/kg [7 days per week] [13 days]

<u>Maternal toxicity</u>: Positive <u>Developmental</u>: Negative

Rabbit - Female - Oral

20 mg/kg [7 days per week] [13 days]

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Maternal toxicity: Negative Developmental: Negative

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Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name Result

Ammonia STOT SE 3, H335 (Respiratory tract irritation) Formaldehyde STOT SE 3, H335 (Respiratory tract irritation)

Specific target organ toxicity (repeated exposure)

Product/ingredient name Result

**3**-iodo-2-propynyl-butyl carbamate STOT RE 1, H372 (larynx) Ethanediol STOT RE 2, H373 (oral)

**Aspiration hazard** 

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contactInhalationNo known significant effects or critical hazards.No known significant effects or critical hazards.

**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

**Ingestion** : No specific data.

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

**Short term exposure** 

Potential immediate : Not available.

effects

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 [Product]**: 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.

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#### 12.1 Toxicity

**Product/ingredient name** 

2-Butoxyethanol

Result

Acute - LC50 - Marine water

Fish - Inland silverside - Menidia beryllina

Size: 40 to 100 mm 1250000 µg/l [96 hours]

Effect: Mortality

Acute - LC50 - Marine water

Crustaceans - Common shrimp, sand shrimp - Crangon

crangon

800000 µg/l [48 hours] Effect: Mortality

2-(2-butoxyethoxy)ethanol

Acute - LC50 - Fresh water

Fish - Bluegill - Lepomis macrochirus

Size: 33 to 75 mm 1300000 µg/l [96 hours] Effect: Mortality

3-iodo-2-propynyl-butyl carbamate

Acute - LC50 - Fresh water

EU

Fish - Trout - Oncorhynchus mykiss

0.067 mg/l [96 hours]

Acute - NOEC - Fresh water

Fish - Trout - Oncorhynchus mykiss

0.049 mg/l [96 hours]

Acute - EC50 - Fresh water

ΕU

Daphnia - Daphnia magna

0.16 mg/l [48 hours]

**Chronic - NOEC - Fresh water** 

Daphnia - Daphnia - Daphnia Magna

0.05 mg/l [21 days]

Acute - EC50 - Fresh water

Algae - Algae - Scenedemus subspicatus

0.022 mg/l [72 hours]

Ammonia Acute - LC50 - Fresh water

Fish - Western mosquitofish - Gambusia affinis - Adult

37 ppm [96 hours] Effect: Mortality

ammonia, anhydrous Acute - LC50 - Fresh water

Fish - Carp - Hypophthalmichthys nobilis

300 µg/l [96 hours] Effect: Mortality

Acute - LC50 - Fresh water

Daphnia - Water flea - Daphnia magna

0.53 ppm [48 hours] Effect: Mortality

Acute - EC50 - Marine water

Algae - Sea Lettuce - Ulva fasciata - Zoea

29.2 mg/l [96 hours] Effect: Reproduction

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#### **Chronic - NOEC - Marine water**

Fish - Sea bass - Dicentrarchus labrax

Weight: 131.3 g 0.204 mg/l [62 days] Effect: Biochemistry

#### 4,5-dichloro-2-octyl-2H-isothiazol-3-one

#### Acute - EC50 - Fresh water

Algae - Green algae - Pseudokirchneriella subcapitata

0.003 mg/l [72 hours] Effect: Population

#### Acute - EC50 - Fresh water

Daphnia - Water flea - Daphnia magna

0.001 mg/l [48 hours] Effect: Intoxication

#### Acute - LC50 - Fresh water

**US EPA** 

Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss

Weight: 1.2 g 2.7 ppb [96 hours] Effect: Mortality

#### **Chronic - NOEC**

**US EPA** 

Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss

0.56 ppb [97 days] Effect: Growth

#### **Chronic - NOEC - Marine water**

**OECD** 

Algae - Diatom - Nitzschia pungens

19.789 µg/l [96 hours] Effect: Population

#### Acute - LC50 - Fresh water

Fish - Fathead minnow - Pimephales promelas

Age: ≤7 days

8050000 µg/l [96 hours]

Effect: Mortality

#### Acute - LC50 - Fresh water

Crustaceans - Water flea - Ceriodaphnia dubia - Neonate

6900000 µg/l [48 hours]

Effect: Mortality

#### 2-Ethoxyethanol Acute - LC50 - Fresh water

Fish - Bluegill - Lepomis macrochirus

Size: 33 to 75 mm

>10000000 µg/l [96 hours]

Effect: Mortality

#### Diethylene glycol Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* Age: 34 days; <u>Size</u>: 19.1 mm; <u>Weight</u>: 0.102 g

75200000 µg/l [96 hours]

Effect: Mortality

#### Formaldehyde Acute - EC50 - Fresh water

Daphnia - Water flea - Daphnia pulex - Neonate

Age: <24 hours 5800 μg/l [48 hours] Effect: Intoxication

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#### Acute - EC50 - Marine water

Algae - Green algae - Ulva pertusa

0.788 mg/l [96 hours] Effect: Reproduction

#### Acute - LC50 - Fresh water

**US EPA** 

Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss

1.41 ppm [96 hours] Effect: Mortality

#### **Chronic - NOEC - Fresh water**

Fish - Chinook salmon - Oncorhynchus tshawytscha - Egg

953.9 ppm [43 days] Effect: Mortality

#### **Chronic - NOEC - Marine water**

Algae - Haptophyte - Isochrysis galbana - Exponential growth

phase

Age: 4 to 5 days 0.005 mg/l [96 hours] Effect: Population

Conclusion/Summary [Product] : Not available.

#### 12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>3</b> iodo-2-propynyl-butyl carbamate	-	-	Not readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
<b>2</b> -Butoxyethanol	0.81	-	Low
2-(2-butoxyethoxy)ethanol	1	-	Low
3-iodo-2-propynyl-butyl carbamate	>1	-	Low
Ethanediol	-1.36	-	Low
2-Ethoxyethanol	-0.32	-	Low
Diethylene glycol	-1.98	100	Low

#### 12.4 Mobility in soil

Soil/water partition

coefficient

: Not available.

**Mobility** : Not available.

#### 12.5 Results of PBT and vPvB assessment

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Product/ingredient name	PBT	Р	В	T	vPvB	vP	vB
<b>2</b> -Butoxyethanol	No	No	No	No	No	No	No
2-(2-butoxyethoxy)ethanol	No	No	No	No	No	No	No
3-iodo-2-propynyl-butyl carbamate	No	No	No	Yes	No	No	No
adipohydrazide	No	No	No	No	No	No	No
magnesium carbonate	No	No	No	No	No	No	No
Ammonia	No	No	No	No	No	No	No
ammonia, anhydrous	No	No	No	No	No	No	No
4,5-dichloro-2-octyl-2H-isothiazol-3-one	No	No	No	Yes	No	No	No
Kaolin	No	No	No	No	No	No	No
Ethanediol	No	No	No	Yes	No	No	No
2-Ethoxyethanol	No	No	No	Yes	No	No	No
crystalline silica, respirable powder	No	No	No	No	No	No	No
Diethylene glycol	No	No	No	No	No	No	No
Formaldehyde	No	No	No	Yes	No	No	No

**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, 200128

**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.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

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### **SECTION 14: Transport information**

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			Date of revision
▼oxic 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]
QUATOP 2760-02 2-(2-butoxyethoxy)ethanol Formaldehyde	≥90 <1 <0.1	3 55 [Consumer paint] 72

#### **Seveso Directive**

This product is not controlled under the Seveso Directive.

#### **National regulations**

Product/ingredient name	List name	Name on list	Classification	Notes
rystalline silica, respirable powder		silica, respirable crystalline	Carc	-
Formaldehyde	EH40/2005 WELs	-	Carc	-

#### **EU** regulations

**Industrial emissions** (integrated pollution

: Not listed

prevention and control) -

Air

**Industrial emissions** 

: Not listed

(integrated pollution

prevention and control) -

Water

### **International regulations**

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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### **SECTION 15: Regulatory information**

#### **Montreal Protocol**

Not listed.

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

Not listed.

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

#### **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
Aquatic Chronic 3, H412	Calculation method

#### Full text of abbreviated H statements

<b>⊮</b> 221	Flammable gas.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
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** 

SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 Aquatic Acute 1 Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Carc. 1B **CARCINOGENICITY - Category 1B** 

Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Flam. Gas 2 FLAMMABLE GASES - Category 2

Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3 Muta. 2 GERM CELL MUTAGENICITY - Category 2 Press. Gas (Comp.) GASES UNDER PRESSURE - Compressed gas 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

STOT RE 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT RE 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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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 guarantee of the product's properties.

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