

# SAFETY DATA SHEET



ANTISTAIN AQUA 2901-52 - WHITE

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

### 1.1 Product identifier

**Product name** : ANTISTAIN AQUA 2901-52 - WHITE

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

**Product description** : 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 responsible for this SDS** : prod-safe@teknos.com

#### National contact

Teknos (UK) Limited, Unit E1, Heath Farm, Banbury Road, Swerford, Oxfordshire OX7 4BN, United Kingdom. Tel. +44 (0) 1608 683 494.

### 1.4 Emergency telephone number

**Telephone number** : Teknos UK Limited; TEL: +44 1608 683 494; Opening hours: MON-FRI, 7am – 6pm.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 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

**Signal word** : No signal word.**Hazard statements** : H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements

**General** : Not applicable.**Prevention** : P273 - Avoid release to the environment.**Response** : Not applicable.**Storage** : Not applicable.**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.**Supplemental label elements** : Contains 3-iodo-2-propynyl-butyl carbamate and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Contains biocidal products for dry film and in-can preservation: IPBC and BIT and MIT. Risk of skin sensitisation.**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

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1/12

## SECTION 2: Hazards identification

### 2.3 Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name           | Identifiers   | %     | Regulation (EC) No. 1272/2008 [CLP]  | Type    |
|-----------------------------------|---|-------|--|---------|
| 2-(2-butoxyethoxy)ethanol         | REACH #:<br>01-2119475104-44<br>EC: 203-961-6<br>CAS: 112-34-5<br>Index: 603-096-00-8 | ≤3    | Eye Irrit. 2, H319   | [1] [2] |
| Dipropylene glycol dibenzoate     | CAS: 27138-31-4   | ≤3    | Aquatic Chronic 3, H412  | [1]     |
| 3-iodo-2-propynyl-butyl carbamate | EC: 259-627-5<br>CAS: 55406-53-6  | ≤0.3  | Acute Tox. 4, H302<br>Acute Tox. 3, H331<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT RE 1, H372 (larynx) (inhalation)<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1)                                 | [1]     |
| 1,2-benzisothiazol-3(2H)-one      | EC: 220-120-9<br>CAS: 2634-33-5<br>Index: 613-088-00-6                                | <0.05 | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 3, H412<br><b>See Section 16 for the full text of the H statements declared above.</b> | [1]     |

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

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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.

## SECTION 4: First aid measures

- 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

### 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** : No specific data.
- 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** : In a fire, decomposition may produce toxic gases/fumes.

### 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.

## 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 European standard 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. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

### 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). Do not ingest. Avoid contact with eyes, skin and clothing. 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

## 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.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

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

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

2-(2-butoxyethoxy)ethanol

**EH40/2005 WELs (United Kingdom (UK), 12/2011).**

TWA: 10 ppm 8 hours.

STEL: 15 ppm 15 minutes.

TWA: 67.5 mg/m<sup>3</sup> 8 hours.

STEL: 101.2 mg/m<sup>3</sup> 15 minutes.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard 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

No DNELs/DMELs available.

#### PNECs

No PNECs 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. 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

## SECTION 8: Exposure controls/personal protection

|  |  |
|--|--|
| <b>Hand protection</b>                 | : 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.<br>Recommendations : Wear suitable gloves tested to EN374.<br>> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm<br>Not recommended polyvinyl alcohol (PVA) gloves |
| <b>Body protection</b>                 | : 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. Refer to European Standard EN 14605 for further information on material and design requirements and test methods.  |
| <b>Other skin protection</b>           | : 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.  |
| <b>Respiratory protection</b>          | : 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.<br>spray application Filter type: A P   |
| <b>Environmental exposure controls</b> | : 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

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |                                |
|---|--------------------------------|
| <b>Physical state</b>                               | : Liquid.                      |
| <b>Colour</b>                                       | : Various                      |
| <b>Odour</b>  | : Slight                       |
| <b>Odour threshold</b>                              | : Not available.               |
| <b>pH</b>   | : 8.6 - 9.2                    |
| <b>Melting point/freezing point</b>                 | : Not available.               |
| <b>Initial boiling point and boiling range</b>      | : Not available.               |
| <b>Flash point</b>                                  | : Not available.               |
| <b>Evaporation rate</b>                             | : Not available.               |
| <b>Flammability (solid, gas)</b>                    | : Not available.               |
| <b>Upper/lower flammability or explosive limits</b> | : Lower: 0.8%<br>Upper: 13.74% |
| <b>Vapour pressure</b>                              | : Not available.               |
| <b>Vapour density</b>                               | : Not available.               |
| <b>Density</b>                                      | : 1.3 kg/l                     |
| <b>Solubility(ies)</b>                              | : Not available.               |
| <b>Partition coefficient: n-octanol/ water</b>      | : Not available.               |
| <b>Auto-ignition temperature</b>                    | : Not available.               |
| <b>Decomposition temperature</b>                    | : Not available.               |
| <b>Viscosity</b>                                    | : Not available.               |
| <b>Explosive properties</b>                         | : Not available.               |
| <b>Oxidising properties</b>                         | : Not available.               |



## SECTION 9: Physical and chemical properties

### 9.2 Other information

**VOC** : 36 g/l  
**Solubility in water** : Not available.  
No additional information.

## 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 |
|-----------------------------------|---------------------------------|---------|-----------------------|----------|
| 2-(2-butoxyethoxy)ethanol         | LD50 Dermal                     | Rabbit  | 2700 mg/kg            | -        |
|                                   | LD50 Oral                       | Rat     | 4500 mg/kg            | -        |
| 3-iodo-2-propynyl-butyl carbamate | LC50 Inhalation Dusts and mists | Rat     | 0.67 g/m <sup>3</sup> | 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             | -        |
| 1,2-benzisothiazol-3(2H)-one      | LD50 Oral                       | Rat     | 1020 mg/kg            | -        |

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

#### Acute toxicity estimates

| Route                        | ATE value  |
|------------------------------|------------|
| Inhalation (dusts and mists) | 234.5 mg/l |

#### Irritation/Corrosion

| Product/ingredient name           | Result                   | Species | Score | Exposure               | Observation |
|-----------------------------------|--------------------------|---------|-------|------------------------|-------------|
| 2-(2-butoxyethoxy)ethanol         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams | -           |
|                                   | Eyes - Severe irritant   | Rabbit  | -     | 20 milligrams          | -           |
| 3-iodo-2-propynyl-butyl carbamate | Eyes - Severe irritant   | Rabbit  | -     | -                      | -           |
| 1,2-benzisothiazol-3(2H)-one      | Skin - Mild irritant     | Human   | -     | 48 hours 5 Percent     | -           |

**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 |

## SECTION 11: Toxicological information

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

### Mutagenicity

| Product/ingredient name           | Test | Experiment                                | Result   |
|-----------------------------------|------|---|----------|
| 3-iodo-2-propynyl-butyl carbamate | -    | Experiment: In vitro<br>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 | Positive          | -         | Negative            | Rabbit - Female | Oral: 50 mg/kg | 13 days; 7 days per week |
|                                   | Negative          | -         | Negative            | Rabbit - Female | Oral: 20 mg/kg | 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)

Not available.

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name           | Category   | Route of exposure | Target organs |
|-----------------------------------|------------|-------------------|---------------|
| 3-iodo-2-propynyl-butyl carbamate | Category 1 | Inhalation        | larynx        |

### Aspiration hazard

Not available.

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

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**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** : No specific data.  
**Ingestion** : No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.



## SECTION 11: Toxicological information

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : 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-(2-butoxyethoxy)ethanol<br>3-iodo-2-propynyl-butyl<br>carbamate<br><br>1,2-benzisothiazol-3(2H)-one | Acute LC50 1300000 µg/l Fresh water | Fish - Lepomis macrochirus     | 96 hours |
|   | Acute EC50 0.022 mg/l Fresh water   | Algae - Scenedemus subspicatus | 72 hours |
|   | Acute EC50 0.16 mg/l Fresh water    | Daphnia - Daphnia magna        | 48 hours |
|   | Acute LC50 0.067 mg/l Fresh water   | Fish - Oncorhynchus mykiss     | 96 hours |
|   | Acute NOEC 0.049 mg/l Fresh water   | Fish - Oncorhynchus mykiss     | 96 hours |
|   | Chronic NOEC 0.05 mg/l Fresh water  | Daphnia - Daphnia Magna        | 21 days  |
|   | Acute EC50 0.36 mg/l Marine water   | Algae - Skeletonema Costatum   | 72 hours |
|   | Acute EC50 3.7 mg/l                 | Daphnia - Daphnia Magna        | 48 hours |
|   | Acute LC50 1.9 mg/l Fresh water     | Fish - Onorhynchus Mykiss      | 96 hours |
|   | Acute NOEC 0.15 mg/l Marine water   | Algae - Skeletonema Costatum   | 72 hours |

**Conclusion/Summary** : Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

| Product/ingredient name      | Test | Result         | Dose | Inoculum |
|------------------------------|------|----------------|------|----------|
| 1,2-benzisothiazol-3(2H)-one | EU   | 24 % - 28 days | -    | -        |

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

| Product/ingredient name              | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------------------|-------------------|------------|------------------|
| 3-iodo-2-propynyl-butyl<br>carbamate | -                 | -          | Not readily      |
| 1,2-benzisothiazol-3(2H)-one         | -                 | -          | Inherent         |

### 12.3 Bioaccumulative potential

| Product/ingredient name              | LogP <sub>ow</sub> | BCF | Potential |
|--------------------------------------|--------------------|-----|-----------|
| 2-(2-butoxyethoxy)ethanol            | 1                  | -   | low       |
| 3-iodo-2-propynyl-butyl<br>carbamate | >1                 | -   | low       |
| 1,2-benzisothiazol-3(2H)-one         | -                  | 3.2 | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

## SECTION 12: Ecological information

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**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.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**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           |
|--|----------------|----------------|----------------|----------------|
| <b>14.1 UN number</b>                  | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| <b>14.2 UN proper shipping name</b>    | -              | -              | -              | -              |
| <b>14.3 Transport hazard class(es)</b> | -              | -              | -              | -              |
| <b>14.4 Packing group</b>              | -              | -              | -              | -              |
| <b>14.5 Environmental hazards</b>      | No.            | No.            | No.            | No.            |
| <b>Additional information</b>          | -              | -              | -              | -              |

**14.6 Special precautions for user** : **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.

## SECTION 14: Transport information

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : 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**

**EU Regulation (EC) No. 1907/2006 (REACH)**

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

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**Europe inventory** : Not determined.

**Black List Chemicals (76/464/EEC)** :

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Seveso Directive**

This product is not controlled under the Seveso Directive.

**International regulations**

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

Not listed.

**Montreal Protocol (Annexes A, B, C, E)**

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.

## SECTION 16: Other information

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification          | Justification      |
|-------------------------|--------------------|
| Aquatic Chronic 3, H412 | Calculation method |

### Full text of abbreviated H statements

|   |   |
|---|---|
| H302<br>H315<br>H317<br>H318<br>H319<br>H331<br>H372 (inhalation)<br><br>H400<br>H410<br>H412 | Harmful if swallowed.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye damage.<br>Causes serious eye irritation.<br>Toxic if inhaled.<br>Causes damage to organs through prolonged or repeated exposure if inhaled.<br>Very toxic to aquatic life.<br>Very toxic to aquatic life with long lasting effects.<br>Harmful to aquatic life with long lasting effects. |
|---|---|

### Full text of classifications [CLP/GHS]

|  |   |
|--|---|
| Acute Tox. 3, H331<br>Acute Tox. 4, H302<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Aquatic Chronic 3, H412<br>Eye Dam. 1, H318<br>Eye Irrit. 2, H319<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>STOT RE 1, H372 (inhalation) | ACUTE TOXICITY (inhalation) - Category 3<br>ACUTE TOXICITY (oral) - Category 4<br>SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1<br>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SKIN SENSITISATION - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (inhalation) - Category 1 |
|--|---|

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**Version** : 2

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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.