



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

# SAFETY DATA SHEET

CLADSHIELD MEDIUM BASE

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

### 1.1 Product identifier

**Product name** : CLADSHIELD MEDIUM BASE

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

| Identified uses      |
|----------------------|
| Consumer use         |
| Uses advised against |
| None                 |

**Product use** : Waterborne coating for exterior use.

### 1.3 Details of the supplier of the safety data sheet

ICI Paints AkzoNobel,  
Wexham Road,  
Slough,  
Berkshire,  
SL2 5DS, U.K.  
Tel.: +44 (0) 333 222 70 70  
www.duluxtrade.co.uk

**e-mail address of person responsible for this SDS** : duluxtrade.advice@akzonobel.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Center

**Telephone number** : +44 (0)344 892 0111

## 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.

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1/20

**AkzoNobel**

SECTION 2: Hazards identification

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** : P102 - Keep out of reach of children.  
P101 - If medical advice is needed, have product container or label at hand.
- 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 or international regulations.
- Supplemental label elements** : Contains benzyl alcohol, 1,2-benzisothiazol-3(2H)-one and CMIT/MIT(3:1). May produce an allergic reaction.  
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :
- Special packaging requirements**
- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : 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                                                                        | Specific Conc. Limits, M-factors and ATEs                                | Type    |
|-------------------------|------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------|
| titanium dioxide        | REACH #:<br>01-2119489379-17<br>EC: 236-675-5<br>CAS: 13463-67-7 | ≥10 - ≤15 | Carc. 2, H351 (inhalation)                                                            | -                                                                        | [1] [*] |
| benzyl alcohol          | REACH #:<br>01-2119492630-38<br>EC: 202-859-9<br>CAS: 100-51-6   | <1        | Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317 | ATE [Oral] = 1200 mg/kg<br>ATE [Inhalation (dusts and mists)] = 1.5 mg/l | [1]     |

## SECTION 3: Composition/information on ingredients

|                                        |                                                                                         |         |                                                                                                                                                                                                |                                                                                                                                                                                                                                                     |         |
|----------------------------------------|-----------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 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   | <1      | Eye Irrit. 2, H319                                                                                                                                                                             | -                                                                                                                                                                                                                                                   | [1] [2] |
| Alcohols, C12-14, ethoxylated          | REACH #:<br>01-2119487984-16<br>EC: 500-213-3<br>CAS: 68439-50-9                        | <1      | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                                                                                                  | M [Acute] = 1                                                                                                                                                                                                                                       | [1]     |
| 3-iodo-2-propynyl butylcarbamate       | EC: 259-627-5<br>CAS: 55406-53-6                                                        | <0.1    | 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<br>Aquatic Chronic 1, H410                | ATE [Oral] = 1056 mg/kg<br>ATE [Inhalation (dusts and mists)] = 0.68 mg/l<br>M [Acute] = 10<br>M [Chronic] = 1                                                                                                                                      | [1]     |
| bronopol                               | REACH #:<br>01-2119980938-15<br>EC: 200-143-0<br>CAS: 52-51-7<br>Index: 603-085-00-8    | ≤0.1    | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Acute 1, H400                                                                | ATE [Oral] = 500 mg/kg<br>ATE [Dermal] = 1100 mg/kg<br>M [Acute] = 10                                                                                                                                                                               | [1]     |
| 3-(4-isopropylphenyl)-1,1-dimethylurea | EC: 251-835-4<br>CAS: 34123-59-6<br>Index: 006-044-00-7                                 | ≤0.1    | Carc. 2, H351<br>STOT RE 2, H373 (blood)<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                   | M [Acute] = 10<br>M [Chronic] = 10                                                                                                                                                                                                                  | [1]     |
| 1,2-benzisothiazol-3(2H)-one           | REACH #:<br>01-2120761540-60<br>EC: 220-120-9<br>CAS: 2634-33-5                         | <0.036  | Acute Tox. 4, H302<br>Acute Tox. 2, H330<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                 | ATE [Oral] = 450 mg/kg<br>ATE [Inhalation (dusts and mists)] = 0.21 mg/l<br>Skin Sens. 1, H317: C ≥ 0.036%<br>M [Acute] = 1<br>M [Chronic] = 1                                                                                                      | [1]     |
| CMIT/MIT(3:1)                          | REACH #:<br>01-2120764691-48<br>EC: 911-418-6<br>CAS: 55965-84-9<br>Index: 613-167-00-5 | <0.0015 | Acute Tox. 3, H301<br>Acute Tox. 2, H310<br>Acute Tox. 2, H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>EUH071 | ATE [Oral] = 100 mg/kg<br>ATE [Dermal] = 50 mg/kg<br>ATE [Inhalation (dusts and mists)] = 0.05 mg/l<br>Skin Corr. 1C, H314: C ≥ 0.6%<br>Skin Irrit. 2, H315: 0.06% ≤ C < 0.6%<br>Eye Dam. 1, H318: C ≥ 0.6%<br>Eye Irrit. 2, H319: 0.06% ≤ C < 0.6% | [1]     |

SECTION 3: Composition/information on ingredients

|  |  |  |                                                                      |                                                                            |  |
|--|--|--|----------------------------------------------------------------------|----------------------------------------------------------------------------|--|
|  |  |  | See Section 16 for the full text of the H statements declared above. | Skin Sens. 1, H317:<br>C ≥ 0.0015%<br>M [Acute] = 100<br>M [Chronic] = 100 |  |
|--|--|--|----------------------------------------------------------------------|----------------------------------------------------------------------------|--|

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 physical, 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.

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 if easy to do. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

## SECTION 5: Firefighting measures

- 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.
- 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 spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized 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 spilled 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 materials 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 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 spilled 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.

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 vapor 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

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 unlabeled 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 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

| Product/ingredient name   | Exposure limit values                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-(2-butoxyethoxy)ethanol | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 10 ppm 8 hours.<br>STEL: 15 ppm 15 minutes.<br>TWA: 67.5 mg/m³ 8 hours.<br>STEL: 101.2 mg/m³ 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

## SECTION 8: Exposure controls/personal protection

| Product/ingredient name          | Type | Exposure              | Value                   | Population         | Effects  |
|----------------------------------|------|-----------------------|-------------------------|--------------------|----------|
| titanium dioxide                 | DNEL | Long term Inhalation  | 28 µg/m <sup>3</sup>    | General population | Local    |
|                                  | DNEL | Long term Inhalation  | 170 µg/m <sup>3</sup>   | Workers            | Local    |
| benzyl alcohol                   | DNEL | Long term Oral        | 4 mg/kg bw/day          | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 4 mg/kg bw/day          | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 5.4 mg/m <sup>3</sup>   | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 8 mg/kg bw/day          | Workers            | Systemic |
|                                  | DNEL | Short term Oral       | 20 mg/kg bw/day         | General population | Systemic |
|                                  | DNEL | Short term Dermal     | 20 mg/kg bw/day         | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 22 mg/m <sup>3</sup>    | Workers            | Systemic |
|                                  | DNEL | Short term Inhalation | 27 mg/m <sup>3</sup>    | General population | Systemic |
|                                  | DNEL | Short term Dermal     | 40 mg/kg bw/day         | Workers            | Systemic |
|                                  | DNEL | Short term Inhalation | 110 mg/m <sup>3</sup>   | Workers            | Systemic |
|                                  | DNEL | Long term Oral        | 6.25 mg/kg bw/day       | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 67.5 mg/m <sup>3</sup>  | Workers            | Local    |
| 2-(2-butoxyethoxy)ethanol        | DNEL | Short term Inhalation | 101.2 mg/m <sup>3</sup> | Workers            | Local    |
|                                  | DNEL | Long term Oral        | 1.33 mg/kg bw/day       | General population | Systemic |
| Alcohols, C12-14, ethoxylated    | DNEL | Long term Inhalation  | 3.48 mg/m <sup>3</sup>  | General population | Systemic |
|                                  | DNEL | Long term Inhalation  | 19.6 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                  | DNEL | Long term Dermal      | 66.7 mg/kg bw/day       | General population | Systemic |
|                                  | DNEL | Long term Dermal      | 187 mg/kg bw/day        | Workers            | Systemic |
|                                  | DNEL | Long term Inhalation  | 0.023 mg/m <sup>3</sup> | Workers            | Systemic |
|                                  | DNEL | Short term Inhalation | 0.07 mg/m <sup>3</sup>  | Workers            | Systemic |
| 3-iodo-2-propynyl butylcarbamate | DNEL | Short term Inhalation | 1.16 mg/m <sup>3</sup>  | Workers            | Local    |
|                                  | DNEL | Long term Inhalation  | 1.16 mg/m <sup>3</sup>  | Workers            | Local    |
|                                  | DNEL | Long term Dermal      | 2 mg/kg bw/day          | Workers            | Systemic |
|                                  | DNEL | Short term Oral       | 0.5 mg/kg bw/day        | General population | Systemic |
|                                  | DNEL | Short term Inhalation | 1.8 mg/m <sup>3</sup>   | General population | Systemic |
|                                  | DNEL | Short term Dermal     | 2.1 mg/kg bw/day        | General population | Systemic |
| bronopol                         | DNEL | Short term Dermal     | 6 mg/kg bw/day          | Workers            | Systemic |



## SECTION 8: Exposure controls/personal protection

|                              |      |                       |                        |                    |          |
|------------------------------|------|-----------------------|------------------------|--------------------|----------|
| 1,2-benzisothiazol-3(2H)-one | DNEL | Short term Inhalation | 10.5 mg/m <sup>3</sup> | Workers            | Systemic |
|                              | DNEL | Short term Dermal     | 4 µg/cm <sup>2</sup>   | General population | Local    |
|                              | DNEL | Long term Dermal      | 4 µg/cm <sup>2</sup>   | General population | Local    |
|                              | DNEL | Short term Dermal     | 8 µg/cm <sup>2</sup>   | Workers            | Local    |
|                              | DNEL | Long term Dermal      | 8 µg/cm <sup>2</sup>   | Workers            | Local    |
|                              | DNEL | Long term Oral        | 0.18 mg/kg bw/day      | General population | Systemic |
|                              | DNEL | Short term Inhalation | 0.6 mg/m <sup>3</sup>  | General population | Local    |
|                              | DNEL | Long term Inhalation  | 0.6 mg/m <sup>3</sup>  | General population | Local    |
|                              | DNEL | Long term Inhalation  | 0.6 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Long term Dermal      | 0.7 mg/kg bw/day       | General population | Systemic |
|                              | DNEL | Long term Dermal      | 2 mg/kg bw/day         | Workers            | Systemic |
|                              | DNEL | Short term Inhalation | 2.5 mg/m <sup>3</sup>  | Workers            | Local    |
|                              | DNEL | Long term Inhalation  | 2.5 mg/m <sup>3</sup>  | Workers            | Local    |
|                              | DNEL | Long term Inhalation  | 3.5 mg/m <sup>3</sup>  | Workers            | Systemic |
|                              | DNEL | Long term Dermal      | 0.345 mg/kg bw/day     | General population | Systemic |
|                              | DNEL | Long term Dermal      | 0.966 mg/kg bw/day     | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 1.2 mg/m <sup>3</sup>  | General population | Systemic |
|                              | DNEL | Long term Inhalation  | 6.81 mg/m <sup>3</sup> | Workers            | Systemic |
|                              | DNEL | Long term Inhalation  | 0.02 mg/m <sup>3</sup> | General population | Local    |
|                              | DNEL | Long term Inhalation  | 0.02 mg/m <sup>3</sup> | Workers            | Local    |
| CMIT/MIT(3:1)                | DNEL | Short term Inhalation | 0.04 mg/m <sup>3</sup> | General population | Local    |
|                              | DNEL | Short term Inhalation | 0.04 mg/m <sup>3</sup> | Workers            | Local    |
|                              | DNEL | Long term Oral        | 0.09 mg/kg bw/day      | General population | Systemic |
|                              | DNEL | Short term Oral       | 0.11 mg/kg bw/day      | General population | Systemic |

### 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



SECTION 8: Exposure controls/personal protection

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hand protection                 | <p>: 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.</p> <p>When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time &gt;480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm. When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time &gt;30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm. Gloves should be replaced regularly and if there is any sign of damage to the glove material.</p> <p>The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.</p> <p>The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.</p> |
| 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. Wear a respirator conforming to EN140 with type A/P2 filter or better. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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.                                                                                                                       |
| Color                                                   | : White.                                                                                                                        |
| Odor                                                    | : Characteristic.                                                                                                               |
| Odor threshold                                          | : Not available.                                                                                                                |
| Melting point/freezing point                            | : Not available.                                                                                                                |
| Boiling point, initial boiling point, and boiling range | : 100°C (212°F)                                                                                                                 |
| Flammability                                            | : Not available.                                                                                                                |
| Lower and upper explosion limit                         | : Not available.                                                                                                                |
| Flash point                                             | : Not available.                                                                                                                |
| Auto-ignition temperature                               | : Not available.                                                                                                                |
| Decomposition temperature                               | : Not available.                                                                                                                |
| pH                                                      | : 8 [Conc. (% w/w): 100%] [DIN EN 1262]                                                                                         |
| Viscosity                                               | : Kinematic (room temperature): 539 mm <sup>2</sup> /s [DIN EN ISO 3219]<br>Kinematic (40°C): Not applicable. [DIN EN ISO 3219] |
| Solubility(ies)                                         | :                                                                                                                               |

| Media      | Result                  |
|------------|-------------------------|
| cold water | Soluble [OECD (TG 105)] |

Partition coefficient: n-octanol/ water : Not applicable.

|                  |                  |
|------------------|------------------|
| Vapor pressure   | : Not available. |
| Relative density | : 1.301          |
| Vapor density    | : Not available. |

Particle characteristics

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| Median particle size                                      | : Not applicable. |
| Percentage of particles with aerodynamic diameter ≤ 10 µm | : 0               |

|                              |                   |
|------------------------------|-------------------|
| Minimum ignition energy (mJ) | : Not available.  |
| Fundamental burning velocity | : Not applicable. |
| SADT                         | : Not available.  |
| Heat of combustion           | : Not available.  |

Aerosol product

|                 |                   |
|-----------------|-------------------|
| Type of aerosol | : Not applicable. |
|-----------------|-------------------|

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 hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Acute toxicity

| Product/ingredient name          | Result                            | Species      | Dose        | Exposure |
|----------------------------------|-----------------------------------|--------------|-------------|----------|
| benzyl alcohol                   | LD50 Dermal                       | Rabbit       | 2000 mg/kg  | -        |
|                                  | LD50 Intra-arterial               | Rat          | 441 mg/kg   | -        |
|                                  | LD50 Intraperitoneal              | Mouse        | 650 mg/kg   | -        |
|                                  | LD50 Intraperitoneal              | Rat          | 400 mg/kg   | -        |
|                                  | LD50 Intravenous                  | Mouse        | 324 mg/kg   | -        |
|                                  | LD50 Intravenous                  | Rat          | 53 mg/kg    | -        |
|                                  | LD50 Oral                         | Rat          | 1.5 mL/kg   | -        |
|                                  | LD50 Oral                         | Rat          | 1660 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 1230 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 1230 mg/kg  | -        |
| 2-(2-butoxyethoxy)ethanol        | LD50 Dermal                       | Rabbit       | 2700 mg/kg  | -        |
|                                  | LD50 Intraperitoneal              | Mouse        | 850 mg/kg   | -        |
|                                  | LD50 Oral                         | Guinea pig   | 2 g/kg      | -        |
|                                  | LD50 Oral                         | Guinea pig   | 2000 mg/kg  | -        |
|                                  | LD50 Oral                         | Mouse        | 2400 mg/kg  | -        |
|                                  | LD50 Oral                         | Mouse        | 6050 mg/kg  | -        |
|                                  | LD50 Oral                         | Mouse        | 4500 mg/kg  | -        |
|                                  | LD50 Oral                         | Mouse        | 4500 mg/kg  | -        |
|                                  | LD50 Oral                         | Rabbit       | 2200 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 5660 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 4500 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 6050 mg/kg  | -        |
|                                  | LD50 Oral                         | Rat          | 6050 mg/kg  | -        |
|                                  | LD50 Route of exposure unreported | Mouse        | 6050 mg/kg  | -        |
|                                  | LD50 Route of exposure unreported | Rat          | 4500 mg/kg  | -        |
| 3-iodo-2-propynyl butylcarbamate | LC50 Inhalation Dusts and mists   | Rat          | 0.68 mg/l   | 4 hours  |
| bronopol                         | LD50 Dermal                       | Rabbit       | >2000 mg/kg | -        |
|                                  | LD50 Oral                         | Rat - Female | 1056 mg/kg  | -        |
|                                  | LC50 Inhalation Dusts and mists   | Rat          | 800 mg/m³   | 4 hours  |
|                                  | LD50 Dermal                       | Mouse        | 4750 mg/kg  | -        |

SECTION 11: Toxicological information

|                              |                      |        |             |   |
|------------------------------|----------------------|--------|-------------|---|
| 1,2-benzisothiazol-3(2H)-one | LD50 Dermal          | Rat    | 64 mg/kg    | - |
|                              | LD50 Intraperitoneal | Mouse  | 32.8 mg/kg  | - |
|                              | LD50 Intraperitoneal | Mouse  | 15500 µg/kg | - |
|                              | LD50 Intraperitoneal | Rat    | 22 mg/kg    | - |
|                              | LD50 Intraperitoneal | Rat    | 26 mg/kg    | - |
|                              | LD50 Intravenous     | Mouse  | 48 mg/kg    | - |
|                              | LD50 Intravenous     | Rat    | 37400 µg/kg | - |
|                              | LD50 Oral            | Mouse  | 270 mg/kg   | - |
|                              | LD50 Oral            | Mouse  | 194 mg/kg   | - |
|                              | LD50 Oral            | Rabbit | 190 mg/kg   | - |
|                              | LD50 Oral            | Rat    | 180 mg/kg   | - |
|                              | LD50 Oral            | Rat    | 267 mg/kg   | - |
|                              | LD50 Oral            | Rat    | 254 mg/kg   | - |
|                              | LD50 Oral            | Rat    | 342 mg/kg   | - |
|                              | LD50 Subcutaneous    | Mouse  | 116 mg/kg   | - |
|                              | LD50 Subcutaneous    | Rat    | 170 mg/kg   | - |
|                              | LD50 Subcutaneous    | Rat    | 200 mg/kg   | - |
|                              | LD50 Oral            | Mouse  | 1150 mg/kg  | - |
|                              | LD50 Oral            | Rat    | 1020 mg/kg  | - |

Conclusion/Summary : Not available.

Acute toxicity estimates

| Product/ingredient name          | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|----------------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| benzyl alcohol                   | 1200         | N/A            | N/A                      | N/A                        | 1.5                                 |
| 3-iodo-2-propynyl butylcarbamate | 1056         | N/A            | N/A                      | N/A                        | 0.68                                |
| bronopol                         | 500          | 1100           | N/A                      | N/A                        | N/A                                 |
| 1,2-benzisothiazol-3(2H)-one     | 450          | N/A            | N/A                      | N/A                        | 0.21                                |
| CMIT/MIT(3:1)                    | 100          | 50             | N/A                      | N/A                        | 0.05                                |

Irritation/Corrosion

| Product/ingredient name          | Result                   | Species | Score | Exposure        | Observation |
|----------------------------------|--------------------------|---------|-------|-----------------|-------------|
| benzyl alcohol                   | Skin - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
| 2-(2-butoxyethoxy)ethanol        | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
| 3-iodo-2-propynyl butylcarbamate | Eyes - Severe irritant   | Rabbit  | -     | 20 mg           | -           |
|                                  | Eyes - Cornea opacity    | Rabbit  | -     | -               | 14 days     |
| bronopol                         | Eyes - Severe irritant   | Rabbit  | -     | -               | -           |
|                                  | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 mg | -           |
|                                  | Skin - Moderate irritant | Rabbit  | -     | 80 mg           | -           |

Conclusion/Summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

| Product/ingredient name          | Test | Experiment                                | Result   |
|----------------------------------|------|-------------------------------------------|----------|
| 3-iodo-2-propynyl butylcarbamate | -    | Experiment: In vitro<br>Subject: Bacteria | Negative |

Conclusion/Summary : Not available.

Carcinogenicity

SECTION 11: Toxicological information

Conclusion/Summary : Not available.

Reproductive toxicity

| Product/ingredient name          | Maternal toxicity | Fertility | Development toxin | Species         | Dose           | Exposure                 |
|----------------------------------|-------------------|-----------|-------------------|-----------------|----------------|--------------------------|
| 3-iodo-2-propynyl butylcarbamate | Negative          | -         | Negative          | Rabbit - Female | Oral: 20 mg/kg | 13 days; 7 days per week |

Conclusion/Summary : Not available.

Teratogenicity

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

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category   | Route of exposure | Target organs                |
|-------------------------|------------|-------------------|------------------------------|
| bronopol                | Category 3 | -                 | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name                | Category   | Route of exposure | Target organs |
|----------------------------------------|------------|-------------------|---------------|
| 3-iodo-2-propynyl butylcarbamate       | Category 1 | inhalation        | larynx        |
| 3-(4-isopropylphenyl)-1,1-dimethylurea | Category 2 | -                 | blood         |

Aspiration hazard

Not available.

Information on the 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 and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects : Not available.
- Potential delayed effects : Not available.

Long term exposure

SECTION 11: Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| Product/ingredient name          | Result                             | Species               | Dose       | Exposure |
|----------------------------------|------------------------------------|-----------------------|------------|----------|
| 3-iodo-2-propynyl butylcarbamate | Sub-chronic NOAEL Dermal           | Rat                   | 200 mg/kg  | 90 days  |
|                                  | Sub-acute NOAEL Oral               | Rabbit - Male, Female | 13 mg/kg   | -        |
|                                  | Chronic NOAEL Oral                 | Rat                   | 20 mg/kg   | 2 years  |
|                                  | Sub-chronic NOAEL Oral             | Rat                   | 35 mg/kg   | 90 days  |
|                                  | Sub-chronic NOAEL Inhalation Vapor | Rat                   | 1.16 mg/m³ | 90 days  |

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.

Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

No additional information.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

| Product/ingredient name          | Result                               | Species                                                                 | Exposure |
|----------------------------------|--------------------------------------|-------------------------------------------------------------------------|----------|
| titanium dioxide                 | Acute LC50 15.9 mg/l Fresh water     | Crustaceans - Ceriodaphnia dubia - Neonate                              | 48 hours |
|                                  | Acute LC50 >1000 mg/l Fresh water    | Fish - Pimephales promelas                                              | 96 hours |
| benzyl alcohol                   | Acute LC50 10000 µg/l Fresh water    | Fish - Lepomis macrochirus                                              | 96 hours |
|                                  | Acute LC50 15000 µg/l Marine water   | Fish - Menidia beryllina                                                | 96 hours |
|                                  | Acute LC50 460000 µg/l Fresh water   | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)  | 96 hours |
|                                  |                                      | Fish - Lepomis macrochirus                                              | 96 hours |
| 2-(2-butoxyethoxy)ethanol        | Acute LC50 1300000 µg/l Fresh water  | Fish - Menidia beryllina                                                | 96 hours |
|                                  | Acute LC50 2000000 µg/l Marine water | Daphnia - Daphnia magna                                                 | 48 hours |
| 3-iodo-2-propynyl butylcarbamate | Acute EC50 956 ppb Fresh water       |                                                                         |          |
|                                  | Acute EC50 0.16 ppm Fresh water      | Daphnia - Daphnia magna                                                 | 48 hours |
|                                  | Acute LC50 500 ppb Fresh water       | Crustaceans - Hyalella azteca                                           | 48 hours |
|                                  | Acute LC50 2920 ppb Marine water     | Crustaceans - Neomysis mercedis - Adult                                 | 48 hours |
|                                  | Acute LC50 40 ppb Fresh water        | Daphnia - Daphnia magna                                                 | 48 hours |
|                                  | Acute LC50 95 ppb Marine water       | Fish - Oncorhynchus kisutch - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |

## SECTION 12: Ecological information

|          |                                      |                                                                        |          |
|----------|--------------------------------------|------------------------------------------------------------------------|----------|
| bronopol | Acute LC50 100 ppb Fresh water       | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|          | Acute LC50 72 ppb Fresh water        | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 67 ppb Fresh water        | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 67 µg/l Fresh water       | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
|          | Chronic NOEC 8.4 ppb                 | Fish - Pimephales promelas                                             | 35 days  |
|          | Acute EC50 0.02 ppm Fresh water      | Algae - Desmodesmus subspicatus                                        | 96 hours |
|          | Acute EC50 0.41 ppm Fresh water      | Algae - Navicula pelliculosa                                           | 96 hours |
|          | Acute EC50 0.22 ppm Fresh water      | Algae - Pseudokirchneriella subcapitata                                | 96 hours |
|          | Acute EC50 0.18 ppm Marine water     | Algae - Skeletonema costatum                                           | 96 hours |
|          | Acute EC50 1.6 ppm Fresh water       | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute LC50 36 ppm Fresh water        | Fish - Lepomis macrochirus                                             | 96 hours |
|          | Acute LC50 11.17 ppm Fresh water     | Fish - Lepomis macrochirus                                             | 96 hours |
|          | Acute LC50 41.5 ppm Fresh water      | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 20 ppm Fresh water        | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 26.4 ppm Fresh water      | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Chronic NOEC 1.94 ppm                | Fish - Oncorhynchus mykiss                                             | 49 days  |
|          | Chronic NOEC 1.94 ppm                | Fish - Oncorhynchus mykiss                                             | 49 days  |
|          | Acute EC50 97 ppb Fresh water        | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute EC50 2.24 ppm Fresh water      | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute EC50 3.7 ppm Fresh water       | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute EC50 1.1 ppm Fresh water       | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute EC50 2 ppm Fresh water         | Daphnia - Daphnia magna                                                | 48 hours |
|          | Acute LC50 10 to 20 mg/l Fresh water | Crustaceans - Ceriodaphnia dubia                                       | 48 hours |
|          | Acute LC50 540 ppb Fresh water       | Fish - Lepomis macrochirus                                             | 96 hours |
|          | Acute LC50 167 ppb Fresh water       | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 0.75 ppm Fresh water      | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 1.8 ppm Fresh water       | Fish - Oncorhynchus mykiss                                             | 96 hours |
|          | Acute LC50 1.6 ppm Fresh water       | Fish - Oncorhynchus mykiss                                             | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

| Product/ingredient name          | Test      | Result                   | Dose                    | Inoculum                 |
|----------------------------------|-----------|--------------------------|-------------------------|--------------------------|
| 3-iodo-2-propynyl butylcarbamate | OECD 310F | 25 % - Readily - 28 days | 1.03 gO <sub>2</sub> /g | 30 mg/l Activated sludge |

**Conclusion/Summary** : Not available.

| Product/ingredient name          | Aquatic half-life | Photolysis | Biodegradability |
|----------------------------------|-------------------|------------|------------------|
| 3-iodo-2-propynyl butylcarbamate | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name                | LogP <sub>ow</sub> | BCF | Potential |
|----------------------------------------|--------------------|-----|-----------|
| benzyl alcohol                         | 0.87               | -   | low       |
| 2-(2-butoxyethoxy)ethanol              | 1                  | -   | low       |
| bronopol                               | 0.18               | -   | low       |
| 3-(4-isopropylphenyl)-1,1-dimethylurea | 2.87               | -   | low       |



SECTION 12: Ecological information

12.4 Mobility in soil

- Soil/water partition coefficient (K<sub>oc</sub>) : 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 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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).

13.1 Waste treatment methods

Product

- Methods of disposal : The generation of waste should be avoided or minimized 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.
- Disposal considerations : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste code   | Waste designation                                              |
|--------------|----------------------------------------------------------------|
| EWC 08 01 12 | waste paint and varnish other than those mentioned in 08 01 11 |

Packaging

- Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Disposal considerations : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
- 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

|                                 | ADR/RID        | IMDG           |
|---------------------------------|----------------|----------------|
| 14.1 UN number or ID number     | 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.            |

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.

14.7 Transport in bulk according to IMO instruments : Not applicable.

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 authorization

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

**VOC** : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

**VOC for Ready-for-Use Mixture** : Not available.

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

SECTION 15: Regulatory information

Industrial emissions : Not listed  
(integrated pollution prevention and control) -  
Water

Ozone depleting substances (1005/2009/EU)  
Not listed.

Prior Informed Consent (PIC) (649/2012/EU)  
Not listed.

Persistent Organic Pollutants  
Not listed.

Seveso Directive  
This product is not controlled under the Seveso Directive.

Biocidal products regulation

Active substances

| Ingredient name                        |
|----------------------------------------|
| 3-iodo-2-propynyl butylcarbamate       |
| bronopol                               |
| 3-(4-isopropylphenyl)-1,1-dimethylurea |
| terbutryn                              |
| CMIT/MIT(3:1)                          |

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals  
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 : No Chemical Safety Assessment has been carried out.  
Assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and : ATE = Acute Toxicity Estimate  
acronyms 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  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group

SECTION 16: Other information

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

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| H225   | Highly flammable liquid and vapor.                                 |
| H226   | Flammable liquid and vapor.                                        |
| H301   | Toxic if swallowed.                                                |
| H302   | Harmful if swallowed.                                              |
| H310   | Fatal 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.                                  |
| H351   | Suspected of causing cancer.                                       |
| 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.                                |

Full text of classifications [CLP/GHS]

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Acute Tox. 2      | ACUTE TOXICITY - Category 2                                     |
| Acute Tox. 3      | ACUTE TOXICITY - Category 3                                     |
| Acute Tox. 4      | ACUTE TOXICITY - Category 4                                     |
| Aquatic Acute 1   | AQUATIC HAZARD (ACUTE) - Category 1                             |
| Aquatic Chronic 1 | AQUATIC HAZARD (LONG-TERM) - Category 1                         |
| Aquatic Chronic 2 | AQUATIC HAZARD (LONG-TERM) - Category 2                         |
| Aquatic Chronic 3 | AQUATIC HAZARD (LONG-TERM) - Category 3                         |
| Carc. 2           | CARCINOGENICITY - Category 2                                    |
| Eye Dam. 1        | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1                 |
| Eye Irrit. 2      | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2                 |
| Flam. Liq. 2      | FLAMMABLE LIQUIDS - Category 2                                  |
| Flam. Liq. 3      | FLAMMABLE LIQUIDS - Category 3                                  |
| Skin Corr. 1B     | SKIN CORROSION/IRRITATION - Category 1B                         |
| Skin Corr. 1C     | SKIN CORROSION/IRRITATION - Category 1C                         |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                          |
| Skin Sens. 1      | SKIN SENSITIZATION - Category 1                                 |
| Skin Sens. 1A     | SKIN SENSITIZATION - Category 1A                                |
| Skin Sens. 1B     | SKIN SENSITIZATION - Category 1B                                |
| STOT RE 1         | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 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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SECTION 16: Other information

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**Notice to reader**

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