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Version : 05

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

### 1.1. Product Identifier

**Product name** Canon Ink Tank BCI-1401PC  
**Product Code(s)** 7572A

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

**Use** Ink for Ink Jet Printer

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

#### Supplier

Importer  
Canon Europa N.V.  
Bovenkerkerweg 59, 1185XB Amstelveen, The Netherlands  
+31 20 5458545, +31 20 5458222  
www.canon-europe.com, ceu-Reach@canon-europe.com

#### Manufacturer

Canon Inc.  
30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

### 1.4. Emergency Telephone Number

|                  |                                   |                       |                                     |
|------------------|-----------------------------------|-----------------------|-------------------------------------|
| <b>Austria</b>   | +43 (0) 1 406 43 43               | <b>Belgium</b>        | +32 (0) 70 245 245                  |
| <b>Bulgaria</b>  | 112                               | <b>Croatia</b>        | +385 (0)1-23-48-342                 |
| <b>Cyprus</b>    | 1401                              | <b>Czech Republic</b> | +420 224919293                      |
| <b>Denmark</b>   | +45 82 12 12 12 [ <sup>*1</sup> ] | <b>Estonia</b>        | 16662                               |
| <b>Finland</b>   | +358 (0)9 471977                  | <b>France</b>         | +33 (0)1 45 42 59 59                |
| <b>Greece</b>    | +30 210 7793777                   | <b>Hungary</b>        | +36 80 20 11 99                     |
| <b>Italy</b>     | +39 (0)55 7947819                 | <b>Latvia</b>         | +371 67042473                       |
| <b>Lithuania</b> | +370 687 53378                    | <b>Luxembourg</b>     | 112                                 |
| <b>Malta</b>     | 112                               | <b>Netherlands</b>    | +31 (0)30-2748888 [ <sup>*2</sup> ] |
| <b>Poland</b>    | 112                               | <b>Portugal</b>       | +351 808 250 143                    |
| <b>Romania</b>   | +40 21 318 36 06                  | <b>Slovakia</b>       | +421 2 5477 4166                    |
| <b>Slovenia</b>  | 112                               | <b>Spain</b>          | 112                                 |
| <b>Sweden</b>    | 112 [ <sup>*3</sup> ]             | <b>United Kingdom</b> | 111 (UK only)                       |
| <b>Iceland</b>   | 112                               | <b>Liechtenstein</b>  | 145                                 |
| <b>Norway</b>    | +47 22 59 13 00                   | <b>Switzerland</b>    | 145                                 |

\*1 Kontakt Giftlinien på tlf.nr.: 82 12 12 12 (åbent 24 timer i døgnet). Se punkt 4 om førstehjælp.

\*2 Only for the purpose of informing medical personnel in cases of acute intoxications.

\*3 Ask for Poison Information

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Not classified

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Not classified

## 2.2. Label Elements

### Labelling according to Regulation (EC) No 1272/2008

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic reaction.

Contains less than 30% of components with unknown hazards to the aquatic environment.

### Hazard pictograms

Not required

### Signal word

Not required

### Hazard statements

Not required

### Precautionary Statements - EU (§28, 1272/2008)

Not required

### Other Information

Labelling according to Regulation (EU) No 528/2012

Contains a preservative to control microbial deterioration.

## 2.3. Other Hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Chemical name   | CAS-No    | EC-No     | REACH registration number | Weight % | Classification (67/548)  | Indication of danger                  | Classification (Reg. 1272/2008)                                |
|---|-----------|-----------|---------------------------|----------|--------------------------|---------------------------------------|--|
| Glycerin  | 56-81-5   | 200-289-5 | None                      | 5 - 10   | None                     | None                                  | None   |
| Ethylene glycol   | 107-21-1  | 203-473-3 | None                      | 5 - 10   | Xn; R22                  | Xn - Harmful                          | Acute Tox. 4 (H302)  |
| Diethylene glycol   | 111-46-6  | 203-872-2 | None                      | 1 - 5    | Xn; R22                  | Xn - Harmful                          | Acute Tox. 4 (H302)  |
| Isopropyl alcohol   | 67-63-0   | 200-661-7 | None                      | 1 - 5    | F; R11<br>Xi; R36<br>R67 | F - Highly flammable<br>Xi - Irritant | Flam. Liq. 2 (H225)<br>STOT SE 3 (H336)<br>Eye Irrit. 2 (H319) |
| Poly(oxy-1,2-ethane diyl), .alpha.,.alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-but yne-1,4-diyl]bis[.omega. hydroxy- | 9014-85-1 | None      | None                      | 1 - 5    | Xi; R41                  | Xi - Irritant                         | Eye Dam. 1 (H318)  |
| Glycol  | CBI       | CBI       | None                      | 5 - 10   | None                     | None                                  | None   |
| Ammonia derivative  | CBI       | CBI       | None                      | 5 - 10   | None                     | None                                  | None   |
| Water   | 7732-18-5 | 231-791-2 | None                      | 60 - 80  | None                     | None                                  | None   |

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Move to fresh air. Get medical attention immediately if symptoms occur.

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|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention immediately if symptoms occur.         |
| <b>Skin Contact</b> | Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur. |
| <b>Eye Contact</b>  | Flush with plenty of water. Get medical attention immediately if symptoms occur.                         |

**4.2. Most important symptoms and effects, both acute and delayed**

|                        |  |
|------------------------|--|
| <b>Inhalation</b>      | None under normal use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. |
| <b>Ingestion</b>       | None under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                               |
| <b>Skin Contact</b>    | None under normal use.   |
| <b>Eye Contact</b>     | None under normal use. May cause slight irritation.  |
| <b>Chronic Effects</b> | None under normal use.   |

**4.3. Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam, Water.

**Unsuitable extinguishing media**

None

**5.2. Special hazards arising from the substance or mixture**

**Special Hazard**

None

**Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

None

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing.

**6.2. Environmental Precautions**

Keep out of waterways.

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

Wipe up with adsorbent material (e.g. cloth, fleece).

### 6.4. Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Clean contaminated surface thoroughly. Use with adequate ventilation.

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

Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from direct sunlight. Keep away from heat and sources of ignition.

### 7.3. Specific end uses

Ink for Ink Jet Printer. Obtain special instructions before use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

| Chemical name                 | EU OEL  | Austria   | Belgium   | Bulgaria  | Cyprus  |
|-------------------------------|---|---|---|---|---|
| Glycerin<br>56-81-5           | None  | None  | TWA: 10 mg/m <sup>3</sup>   | None  | None  |
| Ethylene glycol<br>107-21-1   | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup> | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 52 mg/m <sup>3</sup>      | None  | TWA: 52.0 mg/m <sup>3</sup><br>STEL: 104.0 mg/m <sup>3</sup>                            | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup>   |
| Diethylene glycol<br>111-46-6 | None  | TWA: 10 ppm<br>TWA: 44 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 176 mg/m <sup>3</sup>     | None  | TWA: 10.0 mg/m <sup>3</sup>   | None  |
| Isopropyl alcohol<br>67-63-0  | None  | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 800 ppm<br>STEL: 2000 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 400 ppm<br>STEL: 1000 mg/m <sup>3</sup> | TWA: 980.0 mg/m <sup>3</sup><br>STEL: 1225.0 mg/m <sup>3</sup>                          | None  |
| Chemical name                 | Czech Republic  | Denmark   | Finland   | France  | Germany   |
| Glycerin<br>56-81-5           | TWA: 10 mg/m <sup>3</sup><br>Ceiling: 15 mg/m <sup>3</sup>                              | None  | TWA: 20 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup>   | DFG TWA: 50 mg/m <sup>3</sup><br>inhalable fraction<br>Ceiling / Peak: 100<br>mg/m <sup>3</sup> inhalable<br>fraction   |
| Ethylene glycol<br>107-21-1   | TWA: 50 mg/m <sup>3</sup><br>Ceiling: 100 mg/m <sup>3</sup>                             | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup>                       | TWA: 20 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 100 mg/m <sup>3</sup>     | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup> | TRGS TWA: 10 ppm<br>TRGS TWA: 26 mg/m <sup>3</sup><br>DFG TWA: 10 ppm<br>DFG TWA: 26 mg/m <sup>3</sup><br>Ceiling / Peak: 20 ppm<br>Ceiling / Peak: 52<br>mg/m <sup>3</sup> |

|                               |  |  |  |   |   |
|-------------------------------|--|--|--|---|---|
| Diethylene glycol<br>111-46-6 | None   | TWA: 2.5 ppm<br>TWA: 11 mg/m <sup>3</sup>                  | None   | None  | TRGS TWA: 10 ppm<br>TRGS TWA: 44 mg/m <sup>3</sup><br>DFG TWA: 10 ppm<br>DFG TWA: 44 mg/m <sup>3</sup><br>Ceiling / Peak: 40 ppm<br>Ceiling / Peak: 176 mg/m <sup>3</sup>       |
| Isopropyl alcohol<br>67-63-0  | TWA: 500 mg/m <sup>3</sup><br>Ceiling: 1000 mg/m <sup>3</sup>  | TWA: 200 ppm<br>TWA: 490 mg/m <sup>3</sup>                 | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 620 mg/m <sup>3</sup> | STEL: 400 ppm<br>STEL: 980 mg/m <sup>3</sup>  | TRGS TWA: 200 ppm<br>TRGS TWA: 500 mg/m <sup>3</sup><br>DFG TWA: 200 ppm<br>DFG TWA: 500 mg/m <sup>3</sup><br>Ceiling / Peak: 400 ppm<br>Ceiling / Peak: 1000 mg/m <sup>3</sup> |
| <b>Chemical name</b>          | <b>Greece</b>  | <b>Hungary</b>   | <b>Ireland</b>   | <b>Italy</b>  | <b>Netherlands</b>  |
| Glycerin<br>56-81-5           | TWA: 10 mg/m <sup>3</sup>  | None   | TWA: 10 mg/m <sup>3</sup> mist   | None  | None  |
| Ethylene glycol<br>107-21-1   | None   | TWA: 52 mg/m <sup>3</sup><br>STEL: 104 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup><br>particulate   | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup><br>STEL: 104 mg/m <sup>3</sup>  |
| Diethylene glycol<br>111-46-6 | None   | None   | TWA: 23 ppm<br>TWA: 100 mg/m <sup>3</sup>  | None  | None  |
| Isopropyl alcohol<br>67-63-0  | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup>  | TWA: 500 mg/m <sup>3</sup><br>STEL: 2000 mg/m <sup>3</sup> | TWA: 200 ppm<br>STEL: 400 ppm  | None  | None  |
| <b>Chemical name</b>          | <b>Poland</b>  | <b>Portugal</b>  | <b>Romania</b>   | <b>Slovakia</b>   | <b>Spain</b>  |
| Glycerin<br>56-81-5           | TWA: 10 mg/m <sup>3</sup><br>aerosol   | TWA: 10 mg/m <sup>3</sup> mist                             | None   | None  | TWA: 10 mg/m <sup>3</sup> mist  |
| Ethylene glycol<br>107-21-1   | TWA: 15 mg/m <sup>3</sup><br>STEL: 50 mg/m <sup>3</sup>  | Ceiling: 100 mg/m <sup>3</sup>                             | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup>    | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup>   |
| Diethylene glycol<br>111-46-6 | TWA: 10 mg/m <sup>3</sup><br>aerosol   | None   | TWA: 115 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 184 ppm<br>STEL: 800 mg/m <sup>3</sup> | TWA: 10 ppm<br>TWA: 44 mg/m <sup>3</sup>  | None  |
| Isopropyl alcohol<br>67-63-0  | TWA: 900 mg/m <sup>3</sup><br>STEL: 1200 mg/m <sup>3</sup>   | TWA: 200 ppm<br>STEL: 400 ppm                              | TWA: 81 ppm<br>TWA: 200 mg/m <sup>3</sup><br>STEL: 203 ppm<br>STEL: 500 mg/m <sup>3</sup>  | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup>  | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 400 ppm<br>STEL: 1000 mg/m <sup>3</sup>   |
| <b>Chemical name</b>          | <b>Sweden</b>  | <b>United Kingdom</b>                                      | <b>Norway</b>  | <b>Switzerland</b>  | <b>Turkey</b>   |
| Glycerin<br>56-81-5           | None   | TWA: 10 mg/m <sup>3</sup> mist                             | None   | TWA: 50 mg/m <sup>3</sup><br>inhalable<br>STEL: 100 mg/m <sup>3</sup><br>inhalable      | None  |
| Ethylene glycol<br>107-21-1   | TLV: 10 ppm aerosol<br>and vapor<br>TLV: 25 mg/m <sup>3</sup> aerosol<br>and vapor<br>STEL: 20 ppm aerosol<br>and vapor<br>STEL: 50 mg/m <sup>3</sup><br>aerosol and vapor | TWA: 10 mg/m <sup>3</sup><br>particulate                   | TWA: 10 mg/m <sup>3</sup> dust<br>STEL: 20 mg/m <sup>3</sup> dust<br>Ceiling: 25 ppm       | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 52 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup>   |
| Diethylene glycol<br>111-46-6 | TLV: 10 ppm<br>TLV: 45 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 90 mg/m <sup>3</sup>   | TWA: 23 ppm<br>TWA: 101 mg/m <sup>3</sup>                  | None   | TWA: 10 ppm<br>TWA: 44 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 176 mg/m <sup>3</sup> | None  |

|                              |  |   |   |   |      |
|------------------------------|--|---|---|---|------|
| Isopropyl alcohol<br>67-63-0 | TLV: 150 ppm<br>TLV: 350 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 600 mg/m <sup>3</sup> | TWA: 400 ppm<br>TWA: 999 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1250 mg/m <sup>3</sup> | TWA: 100 ppm<br>TWA: 245 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 306.25 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 500 mg/m <sup>3</sup><br>STEL: 400 ppm<br>STEL: 1000 mg/m <sup>3</sup> | None |
|------------------------------|--|---|---|---|------|

## 8.2. Exposure controls

**Appropriate engineering controls** None under normal use conditions.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Not required under normal use.  
**Skin Protection** Not required under normal use.  
**Respiratory Protection** Not required under normal use.  
**Thermal hazards** Not Applicable

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| <b>Appearance</b>                             | Cyan ; Liquid   |
| <b>Odor</b>                                   | Slight odor   |
| <b>Odor threshold</b>                         | No data available   |
| <b>pH</b>                                     | 9 - 10  |
| <b>Melting/Freezing point (°C)</b>            | No data available   |
| <b>Boiling Point/Range (°C)</b>               | No data available   |
| <b>Flash Point (°C)</b>                       | 60 - 62 (Tag. Closed Cup. Combustion is not sustainable.)<br>(Estimate) |
| <b>Evaporation Rate</b>                       | No data available   |
| <b>Flammability (solid, gas)</b>              | Not flammable   |
| <b>Flammability Limits in Air</b>             |   |
| <b>Upper Flammability Limit</b>               | No data available   |
| <b>Lower Flammability Limit</b>               | No data available   |
| <b>Vapor pressure</b>                         | No data available   |
| <b>Vapor Density</b>                          | No data available   |
| <b>Relative density</b>                       | 1.0 - 1.1   |
| <b>Solubility(ies)</b>                        | Water; miscible   |
| <b>Partition coefficient: n-octanol/water</b> | No data available   |
| <b>Autoignition Temperature (°C)</b>          | No data available   |
| <b>Decomposition Temperature (°C)</b>         | No data available   |
| <b>Viscosity (mPa s)</b>                      | 1 - 5   |
| <b>Explosive properties</b>                   | None; estimated   |
| <b>Oxidizing properties</b>                   | None; estimated   |

### 9.2. Other Information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable

### 10.3. Possibility of Hazardous Reactions

None

#### **10.4. Conditions to Avoid**

None

#### **10.5. Incompatible materials**

Acids, Bases, Oxidizing agents, Reducing agents.

#### **10.6. Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), and/or Ammonia.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | No data available                          |
| <b>Skin corrosion/irritation</b>         | Non-irritant (Estimate) (OECD Guideline)   |
| <b>Serious eye damage/eye irritation</b> | Mild irritant (Estimate) (OECD Guideline)  |
| <b>Sensitization</b>                     | Non-sensitizer (Estimate) (OECD Guideline) |
| <b>Germ cell mutagenicity</b>            | Ames test: Negative                        |
| <b>Carcinogenicity</b>                   | No data available                          |
| <b>Reproductive Toxicity</b>             | No data available                          |
| <b>STOT - single exposure</b>            | No data available                          |
| <b>STOT - repeated exposure</b>          | No data available                          |
| <b>Aspiration hazard</b>                 | No data available                          |
| <b>Other Information</b>                 | No data available                          |

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

##### **Ecotoxicity effects**

No data available

#### **12.2. Persistence and degradability**

No data available

#### **12.3. Bioaccumulative potential**

No data available

#### **12.4. Mobility in soil**

No data available

#### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

#### 12.6. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of in accordance with local regulations.

### SECTION 14: Transport information

- |   |  |
|---|--|
| <u>14.1. UN number</u>  | None   |
| <u>14.2. UN Proper Shipping Name</u>  | None   |
| <u>14.3. Transport Hazard Class</u>   | None   |
| <u>14.4. Packing Group</u>  | None   |
| <u>14.5. Environmental Hazards</u>  | No special environmental precautions required. |
| <u>14.6. Special Precautions for users</u>  | None   |
| <u>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</u> | Not Applicable                                 |

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

|                                 |               |
|---------------------------------|---------------|
| (EC) No 1907/2006 Authorisation | Not regulated |
| (EC) No 1907/2006 Restriction   | Not regulated |
| (EC) No 1005/2009               | Not regulated |
| (EC) No 850/2004                | Not regulated |
| (EU) No 649/2012                | Not regulated |
| Other Information               | None          |

#### 15.2. Chemical safety assessment

None

### SECTION 16: Other information

#### **Full text of R-phrases referred to under sections 2 and 3**

R11 - Highly flammable  
R22 - Harmful if swallowed  
R36 - Irritating to eyes  
R41 - Risk of serious damage to eyes  
R67 - Vapors may cause drowsiness and dizziness



**Full text of H-Statements referred to under sections 2 and 3**

H225 - Highly flammable liquid and vapor  
H302 - Harmful if swallowed  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

**Key literature references and sources for data**

- World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans  
- EU Directive 1999/45/EC  
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EU) No 649/2012

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- PBT: Persistent, Bioaccumulative and Toxic  
- vPvB: very Persistent and very Bioaccumulative  
- SVHC: Substances of Very High Concern  
- IARC: International Agency for Research on Cancer  
- EU OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU.  
- TWA: Time Weighted Average  
- STEL: Short Term Exposure Limit  
- CBI: Confidential Business Information

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**Revision Note** Entirely revised

**This safety data sheet (SDS) is supplied under (EC) No 1907/2006 Article 31-3.**

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