



# BIC AUSTRALIA PTY LTD.

A.C.N. 004 304 830 A.B.N. 88 004 304 830

## Information Cover Sheet for INTERNATIONAL SAFETY DATA SHEET

### Identification of the Material and Supplier

**Product Name:** S2IBPN02 - Ball Pen Ink BP N02 S Blacks

**Colour:** Black

**Safety Data Sheet expiry:** 30<sup>th</sup> May 2027

**Australia Contact Information:**

BIC Australia Pty Ltd.

Level 4, 574 St Kilda Road, MELBOURNE VIC 3004

**Tel:** (03) 9533 3500 (business hours)

**Fax:** (03) 9533 7348

**Emergency Phone Numbers**

Transport /Fire Emergency: 000 (Emergency services)

Medical Emergency: 131126 (Poisons information)

### Hazards Identification

Based on available information, this is a Hazardous Substance

### Transport Information

Hazchem code: UN Number: 3082 Class: 9 2YE Liquid

# BP-N-02 S

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Date: 6/10/2008 Revision date: 11/21/2023 Supersedes version of: 5/30/2022 Version: 9.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : BP-N-02 S  
Type of product : Ink  
Other means of identification : BP-N-02

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Ball point pen ink

##### 1.2.2. Uses advised against

No additional information available

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

SOCIETE BIC  
12, boulevard Victor Hugo  
92611 CLICHY Cédex – FRANCE  
T +33 01 45 19 52 00 - F +33 01 45 19 52 99  
[Bic.Contact@bicworld.com](mailto:Bic.Contact@bicworld.com)

#### 1.4. Emergency telephone number

| Country | Organisation/Company                                     | Address                                       | Emergency number   | Comment |
|---------|--|---|--|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin      | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |
| Malta   | Medicines & Poisons Info Office                          | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida | +356 2545 6508   |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Skin Sens. 1 H317  
STOT SE 3 H335  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Full text of hazard classes, H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects. In a usual writing situation, quantities of ink laid down by the pen are normally too small to occasion significant exposure and cause adverse effects on the user's health.

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS07

GHS09

Signal word (CLP) :

Danger

Contains :

2-phenoxyethanol; [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate; 2-phenoxypropanol; 2,2'-(octadec-9-enylimino)bisethanol; Poly(oxy-1,2-ethanediyl),  $\alpha$ -(carboxymethyl)- $\omega$ -hydroxy-, C16-18 (even numbered) and C18-unsatd. alkyl ethers

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H335 - May cause respiratory irritation.  
H410 - Very toxic to aquatic life with long lasting effects.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P391 - Collect spillage.

Precautionary statements (CLP) :

### 2.3. Other hazards

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

To our knowledge, contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component   |   |
|---|---|
| 1-phenoxypropan-2-ol (770-35-4)   | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2-phenoxyethanol (122-99-6)   | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5) | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2-(2-ethoxyethoxy) ethanol (111-90-0)   | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)   | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -hydroxy-, C16-18 (even numbered) and C18-unsatd. alkyl ethers (57635-48-0)       | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |

To our knowledge, the mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component                      |   |
|--------------------------------|---|
| 1-phenoxypropan-2-ol(770-35-4) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

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| Component   |   |
|---|---|
| 2-phenoxyethanol(122-99-6)  | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate(65113-55-5) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| 2-phenoxypropanol(4169-04-4)  | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| 2,2'-(octadec-9-enylimino)bisethanol(25307-17-9)  | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -hydroxy-, C16-18 (even numbered) and C18-unsatd. alkyl ethers(57635-48-0)        | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|---------|---|
| 1-phenoxypropan-2-ol  | CAS-No.: 770-35-4<br>EC-No.: 212-222-7<br>REACH-no: 01-2119486566-23   | 10 - 20 | Eye Irrit. 2, H319  |
| 2-phenoxyethanol  | CAS-No.: 122-99-6<br>EC-No.: 204-589-7<br>EC Index-No.: 603-098-00-9   | 10 - 20 | Acute Tox. 4 (Oral), H302 (ATE=1394 mg/kg bodyweight)<br>STOT SE 3, H335<br>Eye Dam. 1, H318  |
| [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate | CAS-No.: 65113-55-5<br>EC-No.: 265-449-9<br>REACH-no: 01-2119982974-17 | 10 - 20 | Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)                              |
| 2-phenoxypropanol   | CAS-No.: 4169-04-4<br>EC-No.: 224-027-4                                | 1 - 10  | Eye Dam. 1, H318  |
| 2,2'-(octadec-9-enylimino)bisethanol  | CAS-No.: 25307-17-9<br>EC-No.: 264-807-3<br>REACH-no: 01-2119510876-35 | 0,9 - 1 | Acute Tox. 4 (Oral), H302 (ATE=1260 mg/kg bodyweight)<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 |

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| Name   | Product identifier   | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-------|---|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -(carboxymethyl)- $\omega$ -hydroxy-, C16-18 (even numbered) and C18-unsatd. alkyl ethers | CAS-No.: 57635-48-0<br>EC-No.: 946-061-5<br>REACH-no: 01-2120739623-52 | 1 - 3 | Eye Dam. 1, H318<br>Aquatic Chronic 2, H411                     |

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : In all cases of doubt, or when symptoms persist, seek medical attention.  |
| First-aid measures after inhalation   | : Move the affected person away from the contaminated area and into the fresh air. If irritation persists, consult a doctor.  |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Wash with soapy water. If case of redness or irritation, call a doctor.   |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Always consult an eye specialist, even if there are no immediate symptoms. |
| First-aid measures after ingestion    | : Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical advice (show the label where possible).  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : Irritation of the respiratory tract.             |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Causes serious eye damage.                       |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Hazy water, carbon dioxide (CO <sub>2</sub> ), foam and powder. |
| Unsuitable extinguishing media | : Strong water jet.   |

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

|  |   |
|--|---|
| Hazardous decomposition products in case of fire | : During combustion : Toxic vapours may be released. Carbon oxides (CO, CO <sub>2</sub> ). Various hydrocarbon fragments. |
|--|---|

#### 5.3. Advice for firefighters

|                             |  |
|-----------------------------|--|
| Precautionary measures fire | : Contain the spilled material by bunding. Cool down the containers exposed to heat with a water spray.                                  |
| Protection of fire-fighters | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Emergency procedures | : Avoid contact with skin and eyes. Do not breathe smoke. In case of important spillage : Only qualified personnel equipped with suitable protective equipment may intervene. |
|----------------------|---|

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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Contain the spilled material by bunding (product is hazardous for the environment). Do not discharge into drains or rivers.

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

For containment : Absorb spillage with: inert absorbent material. Sand/earth.  
Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.  
Other information : Dispose of contaminated materials in accordance with current regulations.

### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapours, mist. Avoid contact with skin, eyes and clothing.  
Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product.

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

Technical measures : The floor of the depot should be impermeable and designed to form a water-tight basin.  
Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed. Avoid ignition sources.  
Incompatible materials : Strong bases. Strong acids. Strong oxidizing agents.  
Packaging materials : Store in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

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### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses with side shields. (EN ISO 16321-1)

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Protective clothing

**Hand protection:**

Butyl-rubber protective gloves. (Breakthrough time : > 480 min). The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Wear suitable respiratory equipment in case of insufficient ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Black.   |
| Odour   | : Characteristic.                                  |
| Odour threshold                                 | : Not available                                    |
| Melting point                                   | : Not available                                    |
| Freezing point                                  | : Not available                                    |
| Boiling point                                   | : 200 – 250 °C                                     |
| Flammability                                    | : Not available                                    |
| Oxidising properties                            | : Non oxidizing material according to EC criteria. |
| Lower explosion limit                           | : Not available                                    |
| Upper explosion limit                           | : Not available                                    |
| Flash point                                     | : > 105 °C   |
| Auto-ignition temperature                       | : Not available                                    |
| Decomposition temperature                       | : Not available                                    |
| pH  | : ≥ 6.5 – ≤ 7.5                                    |
| Viscosity, kinematic                            | : Not available                                    |
| Solubility                                      | : Water: Insoluble                                 |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                    |
| Vapour pressure                                 | : Not available                                    |
| Vapour pressure at 50°C                         | : Not available                                    |
| Density   | : Not available                                    |
| Relative density                                | : ~ 1.1  |
| Relative vapour density at 20°C                 | : Not available                                    |
| Particle characteristics                        | : Not applicable                                   |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None to our knowledge.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

#### 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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

#### 2-phenoxyethanol (122-99-6)

|                       |                       |
|-----------------------|-----------------------|
| LD50 oral rat         | 1394 mg/kg bodyweight |
| LD50 dermal rabbit    | > 2000 mg/kg          |
| LC50 Inhalation - Rat | > 5.4 mg/l/4h (spray) |

#### 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)

|               |                              |
|---------------|------------------------------|
| LD50 oral rat | 1260 mg/kg (OECD 401 method) |
|---------------|------------------------------|

Skin corrosion/irritation : Causes skin irritation.  
pH:  $\geq 6.5 - \leq 7.5$   
Serious eye damage/irritation : Causes serious eye damage.  
pH:  $\geq 6.5 - \leq 7.5$   
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
STOT-single exposure : May cause respiratory irritation.

#### 2-phenoxyethanol (122-99-6)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

#### [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Other information : Above information is for the ink. The ink will be contained in the reservoir of a small capacity pen which will limit considerably the exposure possibilities for the user

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

#### [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5)

|                        |   |
|------------------------|---|
| EC50 - Crustacea [1]   | ~ 0.011 mg/l/48h Daphnia magna (Water flea) (OECD 202 method)       |
| ErC50 algae            | ~ 0.0053 mg/l/72h Pseudokirchneriella subcapitata (OECD 201 method) |
| NOEC chronic fish      | 0.04 mg/l Brachydanio rerio (zebra-fish) (OECD 210 method)          |
| NOEC chronic crustacea | 0.000308 mg/l Daphnia magna (Water flea) (OECD 211 method)          |
| NOEC chronic algae     | 0.0014 mg/l (Pseudokirchnerella subcapitata) (OECD 201 method)      |

#### 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)

|  |   |
|--|---|
| LC50 - Fish [1]                        | 0.1 mg/l/96h (Brachydanio rerio (zebra-fish)) (OECD 203 method)     |
| EC50 - Crustacea [1]                   | 0.043 mg/l/48h (Daphnia magna) (OECD 202 method)                    |
| ErC50 algae                            | 0.0538 mg/l/72h (Pseudokirchneriella subcapitata) (OECD 201 method) |
| EC10, Daphnia magna                    | 0.0107 mg/l (21 days, OECD 211 method)                              |
| ErC10, Pseudokirchneriella subcapitata | 0.0156 mg/l (72 Hours, OECD 201 method)                             |

### 12.2. Persistence and degradability

#### [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5)

|                               |                                  |
|-------------------------------|----------------------------------|
| Persistence and degradability | Not readily biodegradable.       |
| Biodegradation                | 0 % (28 days) (OECD 301F method) |

#### 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Readily biodegradable.              |
| Biodegradation                | > 60 % (28 days) (OECD 301B method) |

### 12.3. Bioaccumulative potential

#### [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5)

|   |                                |
|---|--------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.807 (25°C - pH=6.2)          |
| Bioaccumulative potential                       | Low bioaccumulation potential. |

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| 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9) |                                 |
|---|---------------------------------|
| BCF - Fish [1]                                    | 23.4 (calculated value)         |
| Partition coefficient n-octanol/water (Log Pow)   | 3.4 (25 °C) (OECD 123 method)   |
| Bioaccumulative potential                         | Not potentially bioaccumulable. |

### 12.4. Mobility in soil

| [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5) |            |
|--|------------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)   | 4.7 (20°C) |

| 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)          |  |
|--|--|
| Surface tension  | 27 N/m 20 °C/1000 mg/L (OECD 115 method) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 4.96 (OECD 106 method)                   |

### 12.5. Results of PBT and vPvB assessment

| Component  |   |
|--|---|
| 1-phenoxypropan-2-ol (770-35-4)  | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2-phenoxyethanol (122-99-6)  | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate (65113-55-5) | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2- (2-ethoxyethoxy) ethanol (111-90-0)   | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| 2,2'-(octadec-9-enylimino)bisethanol (25307-17-9)  | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |
| Poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-hydroxy-, C16-18 (even numbered) and C18-unsatd. alkyl ethers (57635-48-0)                         | This substance does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations. Destroy at an authorised site.  
Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 3082   | UN 3082   | UN 3082   | UN 3082   | UN 3082   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>([4-[p,p'-(bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate ; 2,2'-(octadec-9-enylimino)bisethanol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>([4-[p,p'-(bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate ; 2,2'-(octadec-9-enylimino)bisethanol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>([4-[p,p'-(bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate ; 2,2'-(octadec-9-enylimino)bisethanol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>([4-[p,p'-(bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate ; 2,2'-(octadec-9-enylimino)bisethanol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>([4-[p,p'-(bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate ; 2,2'-(octadec-9-enylimino)bisethanol) |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 9   | 9   | 9   | 9   | 9   |
|   |   |   |   |   |
| <b>14.4. Packing group</b>  |   |   |   |   |
| III   | III   | III   | III   | III   |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  | Dangerous for the environment: Yes  |

### 14.6. Special precautions for user

#### Overland transport

|   |                           |
|---|---------------------------|
| Classification code (ADR)   | : M6                      |
| Special provisions (ADR)  | : 274, 335, 375, 601      |
| Limited quantities (ADR)  | : 5L                      |
| Excepted quantities (ADR)   | : E1                      |
| Packing instructions (ADR)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)  | : PP1                     |
| Mixed packing provisions (ADR)  | : MP19                    |
| Portable tank and bulk container instructions (ADR)                     | : T4                      |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29               |
| Tank code (ADR)   | : LGBV                    |
| Vehicle for tank carriage   | : AT                      |
| Transport category (ADR)  | : 3                       |
| Special provisions for carriage - Packages (ADR)                        | : V12                     |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                    |
| Hazard identification number (Kemler No.)                               | : 90                      |
| Orange plates   | :                         |

Tunnel restriction code (ADR) : -

#### Transport by sea

|                           |                 |
|---------------------------|-----------------|
| Special provisions (IMDG) | : 274, 335, 969 |
| Limited quantities (IMDG) | : 5 L           |

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|                                   |              |
|-----------------------------------|--------------|
| Excepted quantities (IMDG)        | : E1         |
| Packing instructions (IMDG)       | : LP01, P001 |
| Special packing provisions (IMDG) | : PP1        |
| IBC packing instructions (IMDG)   | : IBC03      |
| Tank instructions (IMDG)          | : T4         |
| Tank special provisions (IMDG)    | : TP1, TP29  |
| EmS-No. (Fire)                    | : F-A        |
| EmS-No. (Spillage)                | : S-F        |
| Stowage category (IMDG)           | : A          |
| MFAG-No                           | : 171        |

### Air transport

|  |                         |
|--|-------------------------|
| PCA Excepted quantities (IATA)               | : E1                    |
| PCA Limited quantities (IATA)                | : Y964                  |
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 964                   |
| PCA max net quantity (IATA)                  | : 450L                  |
| CAO packing instructions (IATA)              | : 964                   |
| CAO max net quantity (IATA)                  | : 450L                  |
| Special provisions (IATA)                    | : A97, A158, A197, A215 |
| ERG code (IATA)                              | : 9L                    |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : M6                 |
| Special provisions (ADN)          | : 274, 335, 375, 601 |
| Limited quantities (ADN)          | : 5 L                |
| Excepted quantities (ADN)         | : E1                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP                 |
| Number of blue cones/lights (ADN) | : 0                  |

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)   | : M6                      |
| Special provisions (RID)  | : 274, 335, 375, 601      |
| Limited quantities (RID)  | : 5L                      |
| Excepted quantities (RID)   | : E1                      |
| Packing instructions (RID)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)  | : PP1                     |
| Mixed packing provisions (RID)  | : MP19                    |
| Portable tank and bulk container instructions (RID)                     | : T4                      |
| Portable tank and bulk container special provisions (RID)               | : TP1, TP29               |
| Tank codes for RID tanks (RID)  | : LGBV                    |
| Transport category (RID)  | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE8                     |
| Hazard identification number (RID)                                      | : 90                      |

## 14.7. Maritime 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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                           | Change   | Comments |
|                       | Indication of changes                  | Added    |          |
| 3                     | Composition/information on ingredients | Modified |          |
| 8.2                   | Respiratory protection                 | Modified |          |
| 8.2                   | Hand protection                        | Modified |          |
| 8.2                   | Eye protection                         | Modified |          |
| 13.1                  | Additional information                 | Added    |          |
| 16                    | Other information                      | Added    |          |
| 16                    | Data sources                           | Modified |          |

### Abbreviations and acronyms:

|         |   |
|---------|---|
| SDS     | Safety Data Sheet   |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| EC-No.  | European Community number   |
| CAS-No. | Chemical Abstract Service number  |
| EC50    | Median effective concentration  |
| NOAEL   | No-Observed Adverse Effect Level  |
| EN      | European Standard   |
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |

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### Abbreviations and acronyms:

|      |  |
|------|--|
| IMDG | International Maritime Dangerous Goods                 |
| IATA | International Air Transport Association                |
| OECD | Organisation for Economic Co-operation and Development |
| vPvB | Very Persistent and Very Bioaccumulative               |
| PBT  | Persistent Bioaccumulative Toxic                       |

Data sources : ECHA (European Chemicals Agency). SDS of suppliers.  
Other information : Safety data sheet established by : LISAM TELEGIS  
17 rue de la Couture F-60400 Passel  
www.lisam-telegis.com.

### Full text of H- and EUH-statements:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1     | Hazardous to the aquatic environment – Acute Hazard, Category 1                            |
| Aquatic Chronic 1   | Hazardous to the aquatic environment – Chronic Hazard, Category 1                          |
| Aquatic Chronic 2   | Hazardous to the aquatic environment – Chronic Hazard, Category 2                          |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2  |
| H302                | Harmful if swallowed.  |
| 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.   |
| H335                | May cause respiratory irritation.  |
| 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.   |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1        | Skin sensitisation, Category 1   |
| Skin Sens. 1B       | Skin sensitisation, category 1B  |
| STOT SE 3           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|                   |      |                    |
|-------------------|------|--------------------|
| Skin Irrit. 2     | H315 | Calculation method |
| Eye Dam. 1        | H318 | Calculation method |
| Skin Sens. 1      | H317 | Calculation method |
| STOT SE 3         | H335 | Calculation method |
| Aquatic Acute 1   | H400 | Calculation method |
| Aquatic Chronic 1 | H410 | Calculation method |

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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.