



## 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

|            |                                  |  |
|------------|----------------------------------|--|
| <b>1.1</b> | <b>Product identifiers</b>       | DP1048C  |
|            | <b>Trade Name or designation</b> | Egg Wash Liquid  |
| <b>1.2</b> | <b>Identification of Uses</b>    | Cleaner  |
|            | <b>Uses advised against</b>      | No specific uses are advised against   |
| <b>1.3</b> | <b>Supplier</b>                  | Biolink Limited.<br>Halifax Way<br>Pocklington Ind. Est<br>Pocklington<br>York<br>YO42 1NR |
|            | <b>Telephone No.</b>             | +44 (0) 1759 303444  |
|            | <b>Fax No.</b>                   | +44 (0) 1759 303158  |
|            | <b>Email</b>                     | <a href="mailto:info@biolinklimited.co.uk">info@biolinklimited.co.uk</a>                   |
| <b>1.4</b> | <b>Emergency Phone</b>           | +44 (0) 1280 738605 (office hours only)  |

## 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to 67/548/EEC or 1999/45/EEC as amended**  
Xi, N, R36/37/38, R52/53

**Classification in accordance to EC 1272/2008 as amended**

#### PHYSICAL HAZARDS

Not Classified

#### HEALTH HAZARDS

|                     |            |                                |
|---------------------|------------|--------------------------------|
| Acute Toxicity Oral | Category 4 | H302 Harmful if swallowed      |
| Skin Irritant       | Category 2 | H315 Causes Skin irritation    |
| Eye Damage          | Category 1 | H318 Causes serious eye damage |

#### ENVIRONMENTAL HAZARDS

|                          |            |  |
|--------------------------|------------|--|
| Aquatic Chronic Toxicity | Category 3 | H412 Harmful to aquatic life with long lasting effects |
|--------------------------|------------|--|

#### Hazard summary

##### Physical hazards

Not Classified

##### Health hazards

Harmful if swallowed, causes serious eye damage, causes Skin irritation

##### Environmental hazards

Harmful to aquatic life with long lasting effects

##### Specific hazards

Not known

**Main symptoms**

Harmful if swallowed. Symptoms may include nausea and discomfort. May cause irritation to the skin. Symptoms may include redness, discomfort, rash. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**2.2 Label elements****Label in accordance with EC 1272/2008 as amended**

**Contains** QUATERNARY AMMONIUM COMPOUNDS, DIDECYLDIMETHYLAMMONIUM CHLORIDE

**Hazard pictograms**

Signal word

Danger

**Hazard statements**

H302 Harmful if swallowed

H315 Causes Skin irritation

H318 Causes serious eye damage

H412 Harmful to aquatic life with long lasting effects

**Precautionary statements****Prevention**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

**Response**

P301 + P312 IF SWALLOWED: Call a POISON Centre or Doctor/physician if you feel unwell

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Storage**

None

**Disposal**

P501 Dispose of contents/container in accordance with local regulations.

**Supplemental label information**

Not applicable

**2.3 Other hazards**

Not known

**3 - COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

|   |                   |  |            |
|---|-------------------|--|------------|
| B-ALANINE, N-(2-CARBOXYETHYL)-,N-COCO ALKYL DERVIS,. DISODIUM SALTS |                   | 1-4%   |            |
| CAS-No.: 90170-43-7   | EC No.: 290-476-8 | EC Index No.:                                      | Reach No.: |
|   |                   | 01-2119976233-35                                   |            |
| Classification (67/548/EEC)<br>Xi, R36                              |                   | Classification (EC 1272/2008)<br>Eye Irrit. 2 H319 |            |

|   |   |               |                                |
|---|---|---------------|--------------------------------|
| ALCOHOLS, C12-15, ETHOXYLATED                   | 1-3%  |               |                                |
| CAS-No.: 68131-39-5                             | EC No.: 500-195-7   | EC Index No.: | Reach No.:<br>01-2119976233-35 |
| Classification (67/548/EEC)<br>Xn, Xi, R22, R41 | Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Eye Dam. 1 - H318 |               |                                |

|  |   |               |                                |
|--|---|---------------|--------------------------------|
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3) | 1 – 3%  |               |                                |
| CAS-No.: 164462-16-2                               | EC No.: 423-270-5                                   | EC Index No.: | Reach No.:<br>01-0000016977-53 |
| Classification (67/548/EEC)<br>Not classified      | Classification (EC 1272/2008)<br>Met corr. 1 – H290 |               |                                |

|   |  |               |                            |
|---|--|---------------|----------------------------|
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | <1%  |               |                            |
| CAS-No.: 68424-85-1   | EC No.: 270-325-2  | EC Index No.: | Reach No.:<br>612-131-00-6 |
| Classification (67/548/EEC)<br>C, Xn, N, R34, R22, R50                | Classification (EC 1272/2008)<br>Met. Corr. 1 - H290<br>Acute Tox. 4 - H302<br>Skin Corr. 1B - H314<br>Eye Dam. 1- H318<br>Aquatic acute 1 -H400<br>Aquatic chronic 1 - H410 |               |                            |

|  |  |               |            |
|--|--|---------------|------------|
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                   | <1%  |               |            |
| CAS-No.: 7173-51-5                                 | EC No.: 230-525-2  | EC Index No.: | Reach No.: |
| Classification (67/548/EEC)<br>C, N, R22, R34, R50 | Classification (EC 1272/2008)<br>Acute Tox.3 - H301<br>Skin Corr.1B - H314<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 |               |            |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## 4 - FIRST AID MEASURES

### General Information

First aiders should wear suitable protective clothing.

#### 4.1 Description of first aid measures

##### Inhalation

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### Ingestion

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### Skin contact

Remove contaminated clothing. Wash off with plenty of water. Consult a doctor if symptoms persist.

**Eye contact**

Remove contaminated clothing. Wash off with plenty of water. Consult a physician if symptoms persist.

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

Harmful if swallowed. Symptoms may include nausea and discomfort. May cause irritation to the skin. Symptoms may include redness, discomfort, rash. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

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

Rinse eye immediately with sterile saline solution.

Seek medical attention in case of ingestion, inhalation or contact with eyes.

If swallowed gastric irrigation with activated carbon

**5 - FIRE FIGHTING MEASURES****General Fire Hazards****5.1. Extinguishing media**

SUITABLE EXTINGUISHING MEDIA

Water spray, Dry powder, foam.

UNSUITABLE EXTINGUISHING MEDIA

None

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

UNUSUAL FIRE & EXPLOSION HAZARDS

In case of fire toxic gases may be released. (CO<sub>x</sub>, NO<sub>x</sub>, HCl).

SPECIFIC HAZARDS

None noted.

**5.3. Advice for fire-fighters**

SPECIAL FIRE FIGHTING PROCEDURES

Collect fire extinguishing water separately, do not allow to enter drains. Exceptionally large spillages should be notified to the appropriate authorities.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Wear self-contained breathing apparatus.

**6 - ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Keep unnecessary people away. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

**6.2. Environmental precautions**

Do not let product enter drains. Discharge into the environment must be avoided. Appropriate authorities should be notified in case of contamination of sewerage or surface water.

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

Prevent further leakage or spillage if safe to do so. If possible contain the spillage with adsorbent material, place in a suitable container and dispose of as described in section 13 of this safety data sheet.

Quats. are incompatible with anionic compounds e.g. anionic surfactants. If large quantities are released into waste water collect in an appropriate container. Adjust with sodium lauryl sulphate solution (Concentration twice as high as the active ingredient in the waste water) to a mixture ratio of 1:1. Polluted surfaces can be decontaminated with a 10% sodium lauryl sulphate solution.

**6.4. Reference to other sections**

Personal protection –section 8.

Disposal considerations –Section 13.

## 7 - HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Ensure good ventilation when using this product, avoid inhalation of vapours and spray. Handle with care and avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Follow instructions and ensure correct dilution of this product before use.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container

**7.3 Specific end use(s)**

Cleaner

## 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters**

Not available

**Biological limit values**

Recommended monitoring procedures

**Follow standard monitoring procedures.**

**Derived no-effect level (DNEL)**

Not available

**Predicted no effect concentrations (PNECs)**

Not available

**8.2 Exposure controls****Appropriate Engineering controls**

No specific engineering measures are noted except that this product should be used in a well ventilated area.

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

In case of splashing wear suitable protective equipment.

**General information**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

**Respiratory equipment**

Where risk assessment shows air-purifying respirators are appropriate use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator.

**Hand protection**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.6 mm

Break through time: >480 min

**Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.2 mm  
Break through time: >35 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Eye protection**

In case of splashing, wear safety goggles or face shield.

**Other protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke

**Environmental exposure controls**

Do not discharge into the watercourse or drains

**9 - PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

|                 |                                |
|-----------------|--------------------------------|
| Appearance      |                                |
| Physical State: | Liquid                         |
| Form:           | Solution                       |
| Colour:         | Colourless                     |
| Odour           | Slight                         |
| pH              | 10.0 – 11.0 (Undiluted)        |
| BP/BP Range     | >100°C                         |
| MP/MP Range     | <0°C                           |
| SG/Density:     | 1.0 – 1.05 g/ml (1.01 typical) |
| Relative Index: | 6 – 8 %                        |
| Solubility      | Completely miscible in water   |

**9.2. Other information**

Not known

**10 - STABILITY AND REACTIVITY****10.1 Reactivity**

Not expected under normal conditions of use

**10.2 Chemical stability**

Stable under normal temperature conditions

**10.3 Possibility of hazardous reactions**

Not expected under normal conditions of use

**10.4 Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight

**10.5 Incompatible materials**

Materials to avoid -strong acids or alkalis. Oxidising agents. Anionic compounds

**10.6 Hazardous decomposition products**

None, see section 5 for decomposition products under fire conditions

## 11 - TOXICOLOGICAL INFORMATION

**General information****Information on likely routes of exposure****Inhalation**

No specific symptoms noted.

**Skin contact**

May cause irritation to the skin. Symptoms may include redness, discomfort, rash

**Eye contact**

Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Ingestion**

Harmful if swallowed. Symptoms may include nausea and discomfort

**Symptoms**

Harmful if swallowed. Symptoms may include nausea and discomfort. May cause irritation to the skin. Symptoms may include redness, discomfort, rash. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**11.1 Information on toxicological effects****Acute toxicity**

|   |            |         |                           |
|---|------------|---------|---------------------------|
| B-ALANINE, N-(2-CARBOXYETHYL)-,N-COCO ALKYL DERVIS,. DISODIUM SALTS   | Oral       | LD50    | >5000 mg/kg               |
| ALCOHOLS, C12-15, ETHOXYLATED   | Oral       | LD50    | >200-2000 mg/kg (Rat)     |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    | Oral       | LD50    | >4000 mg/kg               |
|   | Inhalation | LC50 4h | >5mg/l                    |
|   | Dermal     | LD50    | >4000 mg/kg               |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | Oral       | LD50    | 795 mg/kg (Rat)           |
|   | Dermal     | ATEmix  | > 5000 mg/kg (calculated) |
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                                      | Oral       | LD50    | 238 mg/kg (Rat)           |
|   | Dermal     | LD50    | 3342 mg/kg (Rabbit)       |

**Skin corrosion/irritation**

|   |             |                    |
|---|-------------|--------------------|
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    | OECD 404    | Not irritating     |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | OECD 404    | Corrosive (Rabbit) |
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                                      | OECD 404 1h | Corrosive (Rabbit) |

**Serious eye damage/eye irritation**

|  |          |                |
|--|----------|----------------|
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3) | OECD 405 | Not irritating |
|--|----------|----------------|

**Respiratory sensitisation**

Based on the available data not classified as a respiratory sensitiser

**Skin sensitisation**

|   |          |                              |
|---|----------|------------------------------|
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    | OECD 406 | Not sensitising              |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | OECD 406 | Not sensitising (Guinea pig) |
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                                      |          |                              |

|  |                        |                              |
|--|------------------------|------------------------------|
|  | Buehler Test           | Not Sensitising (Guinea pig) |
| <b>Germ cell mutagenicity</b>  |                        |                              |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)   |                        |                              |
| OECD 471   | Negative               |                              |
| HGPRT assay  | Negative               |                              |
| Micronucleus assay   | Negative               |                              |
| <b>Carcinogenicity</b>   |                        |                              |
| Based on the available data not classified as a carcinogen   |                        |                              |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>  |                        |                              |
| Not listed   |                        |                              |
| <b>Reproductive toxicity</b>   |                        |                              |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)   |                        |                              |
| OECD 421/422   | Negative               |                              |
| Developmental toxicity   |                        |                              |
| NOAEL  | >2000 mg/kg Oral (Rat) |                              |
| <b>Specific target organ toxicity - single exposure</b>  |                        |                              |
| Based on the available data not classified as a STOT SE  |                        |                              |
| <b>Specific target organ toxicity - repeated exposure</b>  |                        |                              |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3). May cause damage to the kidney after repeated ingestion of high doses-animal studies |                        |                              |
| OECD 453   | NOAEL                  | 530 mg/kg Oral (Rat)         |
| <b>Aspiration hazard</b>   |                        |                              |
| Based on the available data not classified as an aspiration hazard   |                        |                              |
| <b>Mixture versus substance information</b>  |                        |                              |
| No data available  |                        |                              |
| <b>Other information</b>   |                        |                              |
| Not known  |                        |                              |

## 12 - ECOLOGICAL INFORMATION

### 12.1 Toxicity

|   |            |   |
|---|------------|---|
| B-ALANINE, N-(2-CARBOXYETHYL)-,N-COCO ALKYL DERVIS,. DISODIUM SALTS   |            |   |
| Toxicity to aquatic invertebrates                                     | EC50 24 h  | 97.5 mg/l Daphnia magna                           |
|   | EC50 48 h  | 97.5 mg/l Daphnia magna                           |
| Toxicity to Algae   | EbC50 48 h | 8.2 mg/l Chlorella Vulgaris                       |
|   | EbC50 72 h | 18 mg/l Chlorella Vulgaris                        |
|   | ErC50 48 h | 18 mg/l Chlorella Vulgaris                        |
|   | ErC50 72 h | 31 mg/l Chlorella Vulgaris                        |
| ALCOHOLS, C12-15, ETHOXYLATED   |            |   |
| Toxicity to fish  | LC50 96 h  | >1-<10 mg/l                                       |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    |            |   |
| Toxicity to fish  | LC50 96 h  | >200 mg/l <i>Brachydanio rerio</i>                |
|   | NOEC 28d   | ≥ 200 mg/l <i>Oncorhynchus mykiss</i>             |
| Toxicity to aquatic invertebrates                                     | EC50 48 h  | >200 mg/l <i>Daphnia magna</i>                    |
|   | NOEC 21d   | ≥ 200 mg/l <i>Daphnia magna</i>                   |
| Toxicity to Algae   | EC50 72 h  | >200 mg/l <i>Scenedesmus subspicatus</i>          |
| Toxicity to Bacteria  | EC20 0.5h  | > 2000mg/l activated sludge                       |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES |            |   |
| Toxicity to fish  | LC50 96 h  | 0.085 mg/l (rainbow trout)                        |
| Toxicity to aquatic invertebrates                                     | EC50 48 h  | 0.016 mg/l <i>Daphnia magna</i> .                 |
| Toxicity to Algae   | EC50 72 h  | 0.025 mg/l <i>Pseudokirchneriella subcapitata</i> |
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                                      |            |   |
| Toxicity to fish  | LC50 96 h  | 0.19mg/l <i>Pimephales promelas</i>               |
|   | NOEC 34 d  | 0.032 mg/l <i>Danio rerio</i>                     |
| Toxicity to aquatic invertebrates                                     | EC50 48 h  | 0.062 mg/l <i>Daphnia magna</i>                   |
|   | NOEC 21 d  | 0.010 mg/l <i>Daphnia magna</i>                   |
| Toxicity to Algae   | ErC50 96 h | 0.026 mg/l <i>Pseudokirchneriella subcapitata</i> |

|                      |          |                          |
|----------------------|----------|--------------------------|
| Toxicity to Bacteria | EC50 3 h | 11 mg/l Activated Sludge |
|----------------------|----------|--------------------------|

#### 12.2 Persistence and degradability

|   |                        |
|---|------------------------|
| B-ALANINE, N-(2-CARBOXYETHYL)-,N-COCO ALKYL DERVIS,. DISODIUM SALTS   | Readily biodegradable  |
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    | Readily biodegradable  |
| OECD 301 F 28 d   | 80-90% BOD or the ThOD |
| OECD 311 60 d   | 80-90% TIC of the ThIC |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | Readily Biodegradable  |
| OECD 301 D  | 70% Activated Sludge   |
| COD   | 1130 mg/g              |
| DIDECYLDIMETHYLAMMONIUM CHLORIDE                                      | Readily Biodegradable  |
| OECD 301 B 28 d   | 72%                    |
| Die away Test 28 d  | 93.3%                  |
| OECD 303 A 24-70 d  | 91 %                   |

#### 12.3 Bioaccumulative potential

No data available

##### Partition coefficient n-octanol/water (log Kow)

|   |                          |      |
|---|--------------------------|------|
| ALANINE, N,N-BIS(CARBOXYMETHYL)-,SODIUM SALT (1:3)                    | Log Kow                  | -4.0 |
| QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES | n-octanol/water OECD 107 | 2.88 |

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

Not known

### 13 - DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements

##### Residual waste

Dispose of waste and residues in accordance with local authority requirements

##### Contaminated packaging

Dispose of as unused product.

##### EU Waste Code

02-01-09

**Disposal methods/information**

Wear protective equipment as outlined in section 8 of this safety data sheet when handling this product contaminated materials and packaging.

**Special precautions**

Not noted.

**14 - TRANSPORT INFORMATION**

## Road Transport Notes

**14.1 UN-number**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.2 UN proper shipping name**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.3 Transport hazard class(es)**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.4 Packaging group**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.5 Environmental hazards**

IMDG: Marine pollutant: No

**14.6 Special precautions for users****14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N/A

**Further information**

N/A

**15 - REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Other regulations** The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**15.2 Chemical Safety Assessment**

**National regulations** Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

**15.2 Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

## 16 - OTHER INFORMATION

**List of abbreviations**

CO Carbon Monoxide  
NO Nitrogen Oxide  
HCL Hydrochloric acid  
TWA Time weighted average  
STEL Short Term exposure limit  
DW Dry weight

**References****Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements or R-phrases and H-statements under Sections 2 to 15**

C Corrosive  
Xn Harmful  
Xi Irritant  
N Dangerous to the environment  
R22 Harmful if swallowed  
R34 Causes burns  
R36 Irritating to eyes  
R36/37/38 Irritating to eyes, respiratory system and skin  
R41 Risk of serious damage to eyes  
R50 Very toxic to aquatic organisms  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
H290 May be corrosive to metals  
H301 Toxic if swallowed  
H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H315 Causes Skin irritation  
H318 Causes serious eye damage  
H319 Causes serious eye 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  
H412 Harmful to aquatic life with long lasting effects  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P273 Avoid release to the environment.  
P301 + P312 IF SWALLOWED: Call a POISON Centre or Doctor/physician if you feel unwell  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P332+313 If skin irritation or rash occurs: Get medical advice/ attention  
P501 Dispose of contents/container in accordance with local regulations.

**Training information** Follow training instructions when handling this material.

**Disclaimer**

Biolink cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. The information in the sheet was written based on the best knowledge and experience currently available.