



## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

|                 |                |
|-----------------|----------------|
| Product Name    | Cleanline Alk  |
| Product Code(s) | Not applicable |

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

|                      |                                                                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identified use(s)    | Alkaline circulation cleaner suitable for use in milking equipment and bulk tanks using hot water.<br>Product is for professional use only<br>Must not be used by persons under the age of 18, except when adult supervision is available. |
| Uses advised against | Do not mix with acids or any other chemical products.                                                                                                                                                                                      |

#### 1.3 Details of the supplier of the Safety Data Sheet

|                           |                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company Identification    | Progiene Dairy Hygiene<br>A division of Rumenco,<br>Rumenco Limited,<br>Stretton House,<br>Derby Road,<br>Burton on Trent,<br>Staffordshire<br>DE13 0DW |
| Telephone                 | +44 (0) 1283 524240                                                                                                                                     |
| E-Mail (competent person) | info@progiene-dairy.com                                                                                                                                 |

#### 1.4 Emergency telephone number

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Emergency Phone No. | +44 (0) 1283 524240 (09.00 – 17.00 GMT Monday - Friday) |
|---------------------|---------------------------------------------------------|

## SECTION 2: HAZARDS IDENTIFICATION

|              |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2.1</b>   | <b>Classification of the substance or mixture</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>2.1.1</b> | <b>Regulation (EC) No. 1272/2008 (CLP)</b>        | <p>Skin Corrosion (Category 1A). Causes severe skin burns and eye damage.</p> <p>Aquatic Chronic (Category 2). Toxic to aquatic life with long lasting effects</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>2.2</b>   | <b>Label elements</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>2.2.1</b> | <b>Label elements</b>                             | According to Regulation (EC) No. 1272/2008 (CLP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|              | Hazard Pictogram                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | Signal Word                                       | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|              | Hazard statement(s)                               | <p>H314: Causes severe skin burns and eye damage.</p> <p>H411: Toxic to aquatic life with long lasting effects.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | Precautionary statement(s)                        | <p>P102: Keep out of reach of children.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P264: Wash skin thoroughly after handling.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P310: Immediately call a POISON CENTRE or doctor/physician.</p> <p>P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.</p> <p>P501: Dispose of contents/container to: hazardous waste site</p> |
| <b>2.3</b>   | <b>Other hazards</b>                              | Do not mix with acids or other chemical products.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>2.4</b>   | <b>Additional Information</b>                     | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

EC Classification No. 1272/2008

| Hazardous ingredient(s)                          | %W/W   | Cas No.   | EC No.    | REACH<br>Registration No. | Hazard<br>pictogram(s) and<br>Hazard<br>statement(s)                                           |
|--------------------------------------------------|--------|-----------|-----------|---------------------------|------------------------------------------------------------------------------------------------|
| Sodium Hydroxide                                 | 5 - 20 | 1310-73-2 | 215-185-5 | 01-2119457892-27          | Metal Corr. 1 : H290<br>Skin Corr. 1A: H314                                                    |
| Sodium Hypochlorite solution<br>14/15% Cl active | 1 - 5  | 7681-52-9 | 231-668-3 | 01-2119488154-34          | Metal Corr. 1 : H290<br>Skin Corr. 1B: H314<br>Eye Dam 1 : H318<br>Aquatic Chronic 2 :<br>H411 |

#### 3.3 Additional Information

For full text of H/P phrases see section 16.

### SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

Remove persons affected by vapour to fresh air.  
For those providing assistance, avoid exposure to yourself or others.  
If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.  
If breathing is irregular or has stopped, administer artificial respiration.

Skin Contact

Remove contaminated clothing and shoes immediately and wash affected skin with water.  
Wash contaminated clothing before reuse.

Eye Contact

Eyes should be washed with plenty of water for at least 15 minutes. Get immediate medical attention.

Ingestion

Wash out mouth with water. Do not induce vomiting. Get immediate medical attention.

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

Burning sensation, cough, wheezing, shortness of breath, spasm. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Itching, pain, redness, and swelling of skin

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## SECTION 5: FIRE-FIGHTING MEASURES

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5.1 Extinguishing Media</b>                                   | .                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Suitable Extinguishing Media                                     | Extinguish with dry chemical, foam, water spray, or carbon dioxide.                                                                                                                                                                                                                                                                                                                                                                                     |
| Unsuitable Extinguishing Media                                   | Straight streams of water                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>5.2 Special hazards arising from the substance or mixture</b> | Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>5.3</b>                                                       | Evacuate area. If a leak or a spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop a leak. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                                                                |                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Avoid contact with spilled material. Wear suitable protective equipment. Refer to section 5 for fire-fighting; section 4 for first-aid advice; and section 8 for minimum requirements for personal protective equipment. |
| <b>6.2 Environmental precautions</b>                                           | Do not allow to enter drains, sewers or watercourses.                                                                                                                                                                    |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Adsorb spillages onto sand, earth or any suitable adsorbent material.                                                                                                                                                    |
| <b>6.4 Reference to other sections</b>                                         | Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.                                                                                                                 |
| <b>6.5 Additional Information</b>                                              | None                                                                                                                                                                                                                     |

## SECTION 7: HANDLING AND STORAGE

|                                                                         |                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1 Precautions for safe handling</b>                                | Avoid contact with skin. Avoid breathing fumes. Avoid ingestion. Avoid inhalation of vapours. Use only with adequate ventilation. Keep away from heat and sources of ignition. Keep container tightly closed. Wear protective gloves/clothing and eye/face protection. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> |                                                                                                                                                                                                                                                                        |
| Storage Temperature                                                     | Store between 0°C to 25°C. Keep out of direct sunlight.                                                                                                                                                                                                                |
| Storage Life                                                            | 1 year.                                                                                                                                                                                                                                                                |
| Incompatible materials                                                  | Acids, aluminium, phosphorous, tin/tin oxides and zinc.                                                                                                                                                                                                                |
| <b>7.3 Specific end use(s)</b>                                          | Alkaline circulation cleaner suitable for use in milking equipment and bulk tanks using hot water.                                                                                                                                                                     |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

| SUBSTANCE.       | CAS No.   | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m³) | STEL (ppm) | STEL (mg/m³) | Note: |
|------------------|-----------|---------------------|-----------------------|------------|--------------|-------|
| Sodium Hydroxide | 1310-73-2 | -                   | -                     | -          | 2            | EH40  |
| Chlorine         | 7782-50-5 | -                   | -                     | 0.5        | 1.5          | EH40  |

#### 8.1.2 Biological limit value

Not established

#### 8.1.3 PNECs and DNELs

Not established

#### 8.2.1 Appropriate engineering controls

Not established

#### 8.2.2 Personal protection equipment

Eye/face protection



Wear chemical safety glasses with side shields, or splash-proof goggles

Skin protection (Hand protection/ Other)



Any specific glove information provided is based on published literature and glove-manufacturer data. Contact the glove manufacturer for glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet –style gloves. CEN standards EN 420 and EN 374 provide general requirements and list of glove types.

Respiratory protection



If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements. Types of respirator to be considered for this mixture include: Half-face filter respirator; Type A filter material CEN standards EN136, EN140 and EN 405 provide respirator masks and EN 149 and EN 143 provide filter recommendations

Thermal hazards

None Known

#### 8.2.3 Environmental Exposure Controls

See sections 6,7,12,13

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|            |                                                              |                                                  |
|------------|--------------------------------------------------------------|--------------------------------------------------|
| <b>9.1</b> | <b>Information on basic physical and chemical properties</b> |                                                  |
|            | Appearance                                                   | Clear Liquid                                     |
|            | Colour                                                       | Colourless                                       |
|            | Odour                                                        | None                                             |
|            | Odour Threshold (ppm)                                        | No data available                                |
|            | pH (Value)                                                   | 12 (1% w/w solution)                             |
|            | Melting Point (°C) / Freezing Point (°C)                     | No data available for melting point; Freezing <0 |
|            | Boiling point/boiling range (°C):                            | No data available                                |
|            | Flash Point (°C)                                             | No data available                                |
|            | Evaporation rate (Butyl Acetate = 1)                         | No data available                                |
|            | Flammability (solid, gas)                                    | No data available                                |
|            | Explosive limit ranges.                                      | No data available                                |
|            | Vapour Pressure (mm Hg)                                      | No data available                                |
|            | Vapour Density (Air=1)                                       | No data available                                |
|            | Density (g/ml)                                               | 1.12 +/- 0.02 (20°C)                             |
|            | Solubility (Water)                                           | Soluble                                          |
|            | Solubility (Other)                                           | No data available                                |
|            | Partition Coefficient (n-Octanol/water)                      | No data available                                |
|            | Auto Ignition Temperature (°C)                               | No data available                                |
|            | Decomposition Temperature (°C)                               | No data available                                |
|            | Viscosity (mPa.s)                                            | No data available                                |
|            | Explosive properties                                         | No data available                                |
|            | Oxidising properties                                         | No data available                                |
| <b>9.2</b> | <b>Other information</b>                                     | None                                             |

## SECTION 10: STABILITY AND REACTIVITY

|             |                                           |                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>10.1</b> | <b>Reactivity</b>                         | Stable under normal conditions of use.                                                                                                                                                                                                                                                                            |
| <b>10.2</b> | <b>Chemical stability</b>                 | Stable under normal conditions.                                                                                                                                                                                                                                                                                   |
| <b>10.3</b> | <b>Possibility of hazardous reactions</b> | See 10.5                                                                                                                                                                                                                                                                                                          |
| <b>10.4</b> | <b>Conditions to avoid</b>                | Direct sunlight.                                                                                                                                                                                                                                                                                                  |
| <b>10.5</b> | <b>Incompatible materials</b>             | Acids, aluminium, phosphorous, tin/tin oxides and zinc.                                                                                                                                                                                                                                                           |
| <b>10.6</b> | <b>Hazardous Decomposition Product(s)</b> | Hazardous decomposition products are not expected to form during normal storage.<br>Thermal decomposition is dependent on conditions. A complex mixture of airborne solids, liquids and gases including chlorine gas will be evolved when this material undergoes combustion or thermal or oxidative degradation. |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

|                           |                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity            | There is no information regarding the mixture but one of the components, Sodium Hypochlorite, has been assessed as follows:<br>LD50, oral, rat 3-5g/kg<br>LD50, dermal, rabbit >2g/kg. |
| Irritation                | Causes severe burns and eye damage – pH12 (1% w/w solution)                                                                                                                            |
| Corrosivity               | Causes severe burns and eye damage – pH12 (1% w/w solution)                                                                                                                            |
| Sensitisation             | No data available                                                                                                                                                                      |
| Repeated dose toxicity    | No data available                                                                                                                                                                      |
| Carcinogenicity           | No data available                                                                                                                                                                      |
| Mutagenicity              | No data available                                                                                                                                                                      |
| Toxicity for reproduction | No data available                                                                                                                                                                      |

### 11.2 Other information

None

## SECTION 12: ECOLOGICAL INFORMATION

|                                         |                                                                                                                                                                                                                                                                            |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1 Toxicity                           | There is no information regarding the mixture but one of the components, Sodium Hypochlorite, has been assessed as follows:<br>LC50, bluegill sunfish, 2.9mg/l, 96 hours<br>LC50, pimephales promelas, 1.4mg/l, 96 hours<br>LC50, oncorhynchus mykiss, 0.9mg/l, 30 minutes |
| 12.2 Persistence and degradability      | No data available.                                                                                                                                                                                                                                                         |
| 12.3 Bioaccumulative potential          | Not expected to bioaccumulate..                                                                                                                                                                                                                                            |
| 12.4 Mobility in soil                   | No data available                                                                                                                                                                                                                                                          |
| 12.5 Results of PBT and VPVB assessment | No PBT or VPVB Components                                                                                                                                                                                                                                                  |
| 12.6 Other adverse effects              | None                                                                                                                                                                                                                                                                       |

## SECTION 13: DISPOSAL CONSIDERATIONS

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| 13.1 Waste treatment methods | Handle in accordance with good industrial hygiene and |
|------------------------------|-------------------------------------------------------|

safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn, or use a cutting torch on, the empty drum.

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## 13.2 Additional Information

None

## SECTION 14: TRANSPORT INFORMATION

### 14.1 Land transport (ADR/RID)

UN number  
Proper Shipping Name  
Transport hazard class(es)  
Packing Group  
Hazard label(s)

1760  
CORROSIVE LIQUID, N.O.S.  
8  
III



Dangerous for the environment  
Marine pollutant

Yes  
Yes

### 14.2 Sea transport (IMDG)

UN number  
Proper Shipping Name  
Transport hazard class(es)  
Packing Group  
Hazard label(s)

1760  
CORROSIVE LIQUID, N.O.S.  
8  
III



Dangerous for the environment  
Marine pollutant

Yes  
Yes

### 14.3 Air transport (ICAO/IATA)

UN number  
Proper Shipping Name  
Transport hazard class(es)  
Packing Group  
Hazard label(s)

1760  
CORROSIVE LIQUID, N.O.S.  
8  
III



Dangerous for the environment  
Marine pollutant

Yes  
Yes

#### 14.4 Special precautions for user

##### Overland transport (ADR)

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Classification code                               | C9                      |
| Special provisions                                | 274                     |
| Limited quantities                                | 5L                      |
| Excepted quantities                               | E1                      |
| Packing instructions                              | P001, IBC03, LP01, R001 |
| Mixed packaging provisions                        | MP19                    |
| Portable tank & bulk container instructions       | T7                      |
| Portable tank & bulk container special provisions | TP1,TP28                |
| Tank Code                                         | L4BN                    |
| Tank Special provisions                           | TU42                    |
| Vehicle for tank carriage                         | AT                      |
| Transport category                                | 3                       |
| Special provisions for carriage – Packages        | V12                     |
| Hazard identification number (Kemler number)      | 80                      |
| Tunnel restriction code                           | E                       |
| EAC code                                          | 2X                      |
| App code                                          | B                       |

##### Transport by sea (IMDG)

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Special provisions          | 223,274                                         |
| Packing instructions        | P001, LP01                                      |
| IBC packing instructions    | IBC03                                           |
| Tank instructions           | T7                                              |
| Tank special provisions     | TP1, TP28                                       |
| EmS-No. (Fire)              | F-A                                             |
| EmS-No. (Spillage)          | S-B                                             |
| Stowage category            | A                                               |
| Stowage & handling          | SW2                                             |
| Properties and observations | Causes burns to skin, eyes and mucous membranes |

##### Air Transport (IATA)

|                                       |          |
|---------------------------------------|----------|
| PCA excepted quantities               | E1       |
| PCA limited quantities                | Y841     |
| PCA limited quantity max net quantity | 1L       |
| PCA packing instructions              | 852      |
| PCA net max quantity                  | 5L       |
| CAO packing instructions              | 856      |
| CAO max net quantity                  | 60L      |
| Special provisions                    | A3, A803 |
| ERG code                              | 8L       |

##### Inland waterways transport (ADN)

|                             |        |
|-----------------------------|--------|
| Classification code         | C9     |
| Special provisions          | 274    |
| Limited quantities          | 5L     |
| Excepted quantities         | E1     |
| Carriage permitted          | T      |
| Equipment required          | PP, EP |
| Number of blue cones/lights | 0      |

##### Rail Transport (RID)

|                     |    |
|---------------------|----|
| Classification code | C1 |
|---------------------|----|

|                                                                                     |                         |
|-------------------------------------------------------------------------------------|-------------------------|
| Special provisions                                                                  | 274                     |
| Excepted quantities                                                                 | E1                      |
| Packing instructions                                                                | P001, IBC03, LP01, R001 |
| Mixed packaging provisions                                                          | MP19                    |
| Portable tank & bulk container instructions                                         | T7                      |
| Portable tank & bulk container special provisions                                   | TP1, TP28               |
| Tank codes for RID tanks                                                            | L4BN                    |
| Transport category                                                                  | 3                       |
| Special provisions for carriage – Packages                                          | W12                     |
| Colis express ( express parcels)                                                    | CE8                     |
| Hazard identification number                                                        | 80                      |
| <b>14.5 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable          |

## SECTION 15: REGULATORY INFORMATION

|                                                                                                                                 |                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture</b> | 1907/2006 – REACH<br>1272/2008 – CLP<br>648/2004/EC-Detergents Directive<br>Control of Substance Hazardous to Health (COSHH)<br>Dangerous Substances and Explosive Atmosphere regulations (DSEAR) |
| <b>15.1.1 EU regulations</b>                                                                                                    |                                                                                                                                                                                                   |
| Authorisations and/or restrictions on use                                                                                       | Refer to EU regulation for details of any actions or restrictions by the above regulations or directives                                                                                          |
| <b>15.1.2 National regulations</b>                                                                                              | Refer to national regulation for details of any actions or restrictions by the above regulations or directives                                                                                    |
| <b>15.2 Chemical Safety Assessment</b>                                                                                          | A Chemical Safety Assessment has not been carried out for this mixture.                                                                                                                           |

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

### LEGEND

|      |                                   |
|------|-----------------------------------|
| LTEL | Long Term Exposure Limit          |
| STEL | Short Term Exposure Limit         |
| STOT | Specific Target Organ Toxicity    |
| DNEL | Derived No Effect Level           |
| PNEL | Predicted No Effect Concentration |
| RCP  | Reciprocal Calculation Procedure  |

**References:** Sources of information used in preparing this SDS included one or more of the following: results from in-house or supplier toxicology studies; publications from trade associations; ECHA publications; EU guidelines and other sources as



appropriate

#### **Hazard statement(s) and Precautionary statement(s)**

H290; May be corrosive to metals

H314: Causes severe skin burns and eye damage.

H318: Causes severe eye damage

H411: Toxic to aquatic life with long lasting effects.

P102: Keep out of reach of children.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash skin thoroughly after handling.

P273: Avoid release to the environment.

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

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTRE or doctor/physician.

P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P501: Dispose of contents/container to: hazardous waste site.

#### **Additional Information**

Revision 1.1 was issued on 29 January 2018 to update contact details and remove redundant CHIP data.

Revision 1.2 was issued on 01 June 2023 to update Hazard Information and Transport Information.

This Safety Data Sheet has been produced by d5 Consulting Limited on behalf of Progiene Dairy Hygiene, a division of Rumenco Limited, based on information supplied by the formulators of the product and is believed to be accurate and given in good faith, but it is for the users to satisfy themselves of the suitability of the product for their own particular purpose. d5 Consulting Limited and Progiene Dairy Hygiene, a division of Rumenco Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. Progiene Dairy hygiene, Rumenco Limited and d5 Consulting Limited give no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.