



# 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 Clusterflush |
| Product Code(s) | Not applicable         |

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

|                      |                                                                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identified use(s)    | Peracetic acid based sanitiser for use in clusters and final rinse.<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 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) | <a href="mailto:info@progiene-dairy.com">info@progiene-dairy.com</a>                                                                                    |

### 1.4 Emergency telephone number

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

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### 2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Skin Corrosion (Category 1A). Causes severe skin burns and eye damage.  
STOT SE 3 : May cause respiratory irritation.  
Oxidising Liquid (Category 1). May cause fire or explosion.  
Strong oxidiser.

### 2.2 Label elements

#### 2.2.1 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram



#### 2.2.1 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Signal word(s)

Danger

Hazard statement(s)

H271 : May cause fire or explosion; strong oxidiser.  
H302 : Harmful if swallowed.  
H314 : Causes severe skin burns and eye damage.  
H335 : May cause respiratory irritation.

Precautionary statement(s)

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.

### 2.3 Other hazards

Do not mix with acids or other chemical products.

### 2.4 Additional Information

The classification of this product is based on its pH value in accordance with 1272/2008

## 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)                                                                                                                                     |
|-------------------------|-------|-----------|------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrogen peroxide       | 10-20 | 7722-84-1 | 231-765-0  | 01-2119485845-22          | Ox. Liq. 1 : H271<br>Acute Tox. 4 : H302<br>Acute Tox. 4 : H332<br>Skin Corr. 1A : H314<br>STOT SE 3 : H335                                                                              |
| Acetic acid             | 10-20 | 64-19-7   | 200-580-17 | 01-2119475328-30          | Flam. Liq. 3 : H226<br>Skin Corr. 1A : 314                                                                                                                                               |
| Peracetic acid          | 1-5   | 79-21-0   | 201-186-8  | Not available             | Flam. Liq 3 : H226<br>Org. Perox. D : H242<br>Acute Tox. 4 : H302<br>Acute Tox. 4 : H312<br>Acute Tox. 4 : H332<br>Skin Corr. 1A : H314<br>STOT SE 3 : H335<br>Aquatic Acute 1 :<br>H400 |

### 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

### 5.1 Extinguishing Media

#### Suitable Extinguishing Media

Extinguish with water spray, dry chemical, foam, water spray, or carbon dioxide.

#### Unsuitable Extinguishing Media

Straight streams of water

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

Oxidiser

### 5.3 Advice for fire-fighters

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

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

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.

### 6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

|            |                                                             |                                                                                                          |
|------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>6.3</b> | <b>Methods and material for containment and cleaning up</b> | Adsorb spillages onto sand, earth or any suitable adsorbent material.                                    |
| <b>6.4</b> | <b>Reference to other sections</b>                          | Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment. |
| <b>6.5</b> | <b>Additional Information</b>                               | None                                                                                                     |

## SECTION 7: HANDLING AND STORAGE

|            |                                                                     |                                                                                                                                                                                                                                                                        |
|------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1</b> | <b>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</b> | <b>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                                              | Organic materials, metals and alkalis.                                                                                                                                                                                                                                 |
| <b>7.3</b> | <b>Specific end use(s)</b>                                          | High strength alkaline circulation cleaner suitable for the removal of fat and protein deposits in milking equipment and bulk tanks in hard water areas 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: |
|------------|---------|---------------------|-----------------------|------------|--------------|-------|
|------------|---------|---------------------|-----------------------|------------|--------------|-------|

|                   |           |     |     |     |     |      |
|-------------------|-----------|-----|-----|-----|-----|------|
| Hydrogen peroxide | 7722-84-1 | 1.0 | 1.4 | 2.0 | 2.8 | EH40 |
|-------------------|-----------|-----|-----|-----|-----|------|

|                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8.1.2 Biological limit value</b>                                                                                           | Not established                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>8.1.3 PNECs and DNELs</b>                                                                                                  | Not established                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>8.2.1 Appropriate engineering controls</b>                                                                                 | Use in well ventilated area. If user operations generate fumes, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep exposure to airborne contaminants below the occupational exposure limits.                                                                                                                                                                                                                                                                    |
| <b>8.2.2 Personal protection equipment</b>                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Eye/face protection<br>                      | Wear chemical safety glasses with side shields, or splash-proof goggles                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Skin protection (Hand protection/ Other)<br> | 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<br>                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>8.2.3 Environmental Exposure Controls</b>                                                                                  | See sections 6,7,12,13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                          |                                                     |
|------------------------------------------|-----------------------------------------------------|
| Appearance                               | Clear liquid                                        |
| Colour                                   | Slightly pink                                       |
| Odour                                    | Acetic acid.                                        |
| Odour Threshold (ppm)                    | No data available                                   |
| pH (Value)                               | 2.00 (typical)                                      |
| Melting Point (°C) / Freezing Point (°C) | No data available for melting point; Freezing < 5.0 |
| 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)                          | 1.14 +/- 0.02     |
| 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 Other information</b>            | None              |

## SECTION 10: STABILITY AND REACTIVITY

|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| <b>10.1 Reactivity</b>                         | Reacts violently with alkalis including alkaline metals and metal powder.        |
| <b>10.2 Chemical stability</b>                 | Stable under normal conditions.                                                  |
| <b>10.3 Possibility of hazardous reactions</b> | See 10.5                                                                         |
| <b>10.4 Conditions to avoid</b>                | Direct sunlight.                                                                 |
| <b>10.5 Incompatible materials</b>             | Organic materials, metals and alkalis.                                           |
| <b>10.6 Hazardous Decomposition Product(s)</b> | Hazardous decomposition products are not expected to form during normal storage. |

## 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, Peracetic Acid, has been assessed as follows:<br>LD50, oral, rat 1634 mg/kg<br>LD50, dermal, rat 1012 mg/kg<br>LC50m Inhalation, rat 5.175 mg/l (4 hours) |
| Irritation     | May cause respiratory irritation                                                                                                                                                                                                   |
| Corrosivity    | Causes severe skin burns and eye damage.<br>pH: 2                                                                                                                                                                                  |

|                               |                   |
|-------------------------------|-------------------|
| Sensitisation                 | No data available |
| Repeated dose toxicity        | No data available |
| Carcinogenicity               | No data available |
| Mutagenicity                  | No data available |
| Toxicity for reproduction     | No data available |
| <b>11.2 Other information</b> | None stated       |

## SECTION 12: ECOLOGICAL INFORMATION

|                                                |                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>12.1 Toxicity</b>                           | There is no information regarding the mixture but one of the components, Peracetic Acid, has been assessed as follows:<br>Acute EC 50 0.73 mg/l, Daphnia, 48 hours<br>Chronic NOEC 0.2ppm Fresh water. Fish –Cyprinus caprio – Young. 30 days. |
| <b>12.2 Persistence and degradability</b>      | No data available.                                                                                                                                                                                                                             |
| <b>12.3 Bioaccumulative potential</b>          | Not expected to bioaccumulate.                                                                                                                                                                                                                 |
| <b>12.4 Mobility in soil</b>                   | No data available                                                                                                                                                                                                                              |
| <b>12.5 Results of PBT and VPVB assessment</b> | No PBT or VPVB Components                                                                                                                                                                                                                      |
| <b>12.6 Other adverse effects</b>              | None stated                                                                                                                                                                                                                                    |

## SECTION 13: DISPOSAL CONSIDERATIONS

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>13.1 Waste treatment methods</b> | 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.<br><br>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. |
| <b>13.2 Additional Information</b>  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## SECTION 14: TRANSPORT INFORMATION

### 14.1 Land transport (ADR/RID)

UN number

3149

Proper Shipping Name

Hydrogen Peroxide and Peroxyacetic acid mixture, stabilized.

Transport hazard class(es)

5.1,8

Packing Group

II

Hazard label(s)



Tunnel Restriction Code

E

Environmental hazards

No

Special precautions for user

None

### 14.2 Sea transport (IMDG)

UN number

3149

Proper Shipping Name

Hydrogen Peroxide and Peroxyacetic acid mixture, stabilized.

Transport hazard class(es)

5.1,8

Packing Group

II

Marine Pollutant

No

Special precautions for user

None

### 14.3 Air transport (ICAO/IATA)

UN number

3149

Proper Shipping Name

Hydrogen Peroxide and Peroxyacetic acid mixture, stabilized.

Transport hazard class(es)

5.1,8

Packing Group

II

Environmental hazards

No

Special precautions for user

None

### 14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

1907/2006 – REACH  
1272/2008 – CLP  
648/2004/EC-Detergents Directive  
Control of Substance Hazardous to Health (COSHH)  
Dangerous Substances and Explosive Atmosphere regulations (DSEAR)

#### 15.1.1 EU regulations

Authorisations and/or restrictions on use

Refer to EU regulation for details of any actions or restrictions by the above regulations or directives

#### 15.1.2 National regulations

Refer to national regulation for details of any actions or restrictions by the above regulations or directives

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

## SECTION 16: OTHER INFORMATION

### 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  |
| NOEC | No Observed Effect Concentration  |

**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)

H226 : Flammable liquid and vapour.  
H242 : Heating may cause a fire.  
H271 : May cause fire or explosion; strong oxidiser.  
H302 : Harmful if swallowed.  
H312 : Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H400: Very toxic to aquatic life.

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 24 March 2014 to replace Revision 1.0 - to correct typographical errors.  
Revision 1.2 was issued on 30 January 2018 to update contact details and remove redundant CHIP data.  
Revision 1.3 was issued on 2 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.