

## SAFETY DATA SHEET

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

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

<b>1.1 Product identifier</b>	Product Name	Cleanline Clusterflush
	Product Code(s)	Not applicable
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	Peracetic acid based sanitiser for use in clusters and final rinse. Product is for professional use only. Must not be used by persons under the age of 18, except when adult supervision is available. Do not mix with other chemical products.
	Uses advised against	
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	Company Identification	Nettex Units 2A Hoo Industrial Estate Hoo Rochester Kent ME3 9LB United Kingdom +44 (0) 808 1781010 info@progiene-dairy.com
	Telephone	
	E-Mail (competent person)	
<b>1.4 Emergency telephone number</b>	Emergency Phone No.	+44 (0) 1634 257150 (09.00 – 17.00 GMT Monday - Friday)

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Skin Corrosion (Category 1A). Causes severe skin burns and eye damage. STOT SE 3 : May cause respiratory irritation. May cause fire or explosion. Strong oxidiser.
<b>2.1.2 Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	Corrosive. Causes severe burns. May cause fire.

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Date: 24 March 2014

Revision 1.1

# PROGIENE

dairy hygiene

## 2.2 Label elements

### 2.2.1 Label elements

Hazard Pictogram

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



### 2.2.1 Label elements

Signal word(s)

Hazard statement(s)

Precautionary statement(s)

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

Danger

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.

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.

### 2.2.2 Label elements

Hazard Symbol

Risk Phrases

According to Directive 67/548/EEC & Directive 1999/45/EC



R7 : May cause fire.

R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.

R35 : Causes severe burns.

R36/37/38 : Irritating to eyes, respiratory system and skin.

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## Safety Phrases

S2: Keep out of the reach of children.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28: In case of contact with skin wash immediately with plenty of soap and water.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.  
S51: Use only in well ventilated areas.  
S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets  
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
Do not mix with acids or other chemical products.  
The classification of this product is based on its pH value in accordance with 1272/2008

- 2.3 **Other hazards**
- 2.4 **Additional Information**

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### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Hydrogen peroxide	10-20	7722-84-1	231-765-0	01-2119485845-22	Ox. Liq. 1 : H271 Acute Tox. 4 : H302 Acute Tox. 4 : H332 Skin Corr. 1A : H314 STOT SE 3 : H335
Acetic acid	10-20	64-19-7	200-580-17	01-2119475328-30	Flam. Liq. 3 : H226 Skin Corr. 1A : 314
Peracetic acid	1-5	79-21-0	201-186-8	Not available	Flam. Liq 3 : H226 Org. Perox. D : H242 Acute Tox. 4 : H302 Acute Tox. 4 : H312 Acute Tox. 4 : H332 Skin Corr. 1A : H314 STOT SE 3 : H335 Aquatic Acute 1 : H400

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Hydrogen peroxide	10-20	7722-84-1	231-765-0	01-2119485845-22	R5 O, R8 C, R35 Xn, R20/22
Acetic acid	10-20	64-19-7	200-580-17	01-2119475328-30	R10 C, R35
Peracetic acid	1-5	79-21-0	201-186-8	Not available	O, R7 R10 C, R35 Xn, R20/21/22 N, R50

#### 3.3 Additional Information

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

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## 4. 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.

Eye Contact

Wash contaminated clothing before reuse.  
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.

## 5. 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

## 6. 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

## 7. 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	Organic materials, metals and alkalis.
<b>7.3 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.

## 8. 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/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
Hydrogen peroxide	7722-84-1	1.0	1.4	2.0	2.8	EH40

#### 8.1.2 Biological limit value

Not established

#### 8.1.3 PNECs and DNELs

Not established

#### 8.2.1 Appropriate engineering controls

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.

#### 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. Nitrile, CEN standards EN 420 and EN 374 provide general requirements and list of glove types. 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

Respiratory protection



None Known

Thermal hazards

#### 8.2.3 Environmental Exposure Controls

See sections 6,7,12,13

## 9. 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

### 9.2 Other information

None

## 10. SECTION 10: STABILITY AND REACTIVITY

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



## 11. 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: LD50, oral, rat 1634 mg/kg LD50, dermal, rat 1012 mg/kg LC50m Inhalation, rat 5.175 mg/l (4 hours)
Irritation	No data available
Corrosivity	No data available
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

## 12. 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: Acute EC 50 0.73 mg/l, Daphnia, 48 hours 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

## 13. 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.  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

## 14. 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
Packing Group	II
Hazard label(s)	



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
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
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

## 15. 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 1272/2008 – CLP 67/548/EEC –DSD 199/45/EC – DPD 648/2004/EC-Detergents Directive (EU) 528/2012) - BPR
<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.

## 16. 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

### Risk Phrases and Safety Phrases

R5 : Heating may cause an explosion.  
 R7 : May cause fire.  
 R8 : Contact with combustible material may cause fire.  
 R10 : Flammable.  
 R20/21 : Harmful by inhalation and in contact with skin.  
 R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.  
 R35 : Causes severe burns.  
 R36/37/38 : Irritating to eyes, respiratory system and skin.  
 R50: Very toxic to aquatic organisms.

S2: Keep out of the reach of children.  
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28: In case of contact with skin wash immediately with plenty of soap and water.  
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.  
 S51 : Use only in well ventilated areas.  
 S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets  
 S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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## 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.

This Safety Data Sheet has been produced by d5 Consulting Limited on behalf of Nettex, 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 Nettex, a division of Rumenco Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. Nettex, 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.

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