

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

1.1 Product identifier	Product Name	Dual Defence
	Product Code(s)	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified use(s)	Lactic acid and chlorhexidine based pre and post milking teat dip, spray or foam. Contains high levels of emollients to help maintain and improve skin condition. Product is for professional use only Must not be used by persons under the age of 18, except when adult supervision is available.
	Uses advised against	No data available.
1.3 Details of the supplier of the Safety Data Sheet	Company Identification	Nettex Units 2A Hoo Industrial Estate Hoo Rochester Kent ME3 9LB United Kingdom
	Telephone	+44 (0) 808 1781010
	E-Mail (competent person)	info@progiene-dairy.com
1.4 Emergency telephone number	Emergency Phone No.	+44 (0) 1634 257150 (09.00 – 17.00 GMT Monday - Friday)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture		
2.1.1 Regulation (EC) No. 1272/2008 (CLP)		Not classified
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC		Not classified
2.2 Label elements		
2.2.1 Label elements		According to Regulation (EC) No. 1272/2008 (CLP)
	Hazard Pictogram	None
	Signal word(s)	None
	Hazard statement(s)	Not applicable

Dual Defence

Progiene is a brand name of



A division of Rumenco

Date: 22 July 2014

Revision 1.0

PROGIENE

dairy hygiene

	Precautionary statement(s)	P102: Keep out of reach of children. P261: Avoid breathing vapours/spray. P264: Wash skin thoroughly after handling. 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. 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 According to Directive 67/548/EEC & Directive 1999/45/EC
2.2.2	Label elements	None
	Hazard Symbol	Not applicable
	Risk 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.
	Safety Phrases	S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
2.3	Other hazards	None
2.4	Additional Information	None

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)
Glycerol	1 - 11	56-81-5	200-289-5	Not applicable	Acute Tox.4: H332
Sodium Lactate	1 - 11	72-17-3	200-772-0	Not available	Skin Irrit. 2, H315 Eye Dam. 1, H318
1 - (+) - lactic acid	1 - 5	79-33-4	201-196-2	01-2119474164-39	Skin Irrit. 2, H315 Eye Dam. 1, H318
Chlorhexidine digluconate	0.1 - 0.5	18472-51-0	242-354-0	Not available	Acute Tox. 4: H302 Eye Dam.1: H318 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
Glycerol	1 - 11	56-81-5	200-289-5	Not applicable	Not classified
Sodium Lactate	1 - 11	72-17-3	200-772-0	Not available	Xi, R38 R41
1 - (+) - lactic acid	1 - 5	79-33-4	201-196-2	01-2119474164-39	Xi, R38 R41
Chlorhexidine digluconate	0.1 - 0.5	18472-51-0	242-354-0	Not available	Xi, R41 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.

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.

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

No data available.

4.3 Indication of immediate medical attention and special treatment needed

No data available.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish with 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

Data not available.

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

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.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.

6.5 Additional Information

None

Progiene is a brand name of



A division of Rumenco

Dual Defence

Date: 22 July 2014

Revision 1.0



7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** 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.
- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature Store between 0°C to 25°C. Keep out of direct sunlight.
 Storage Life 1 year.
 Incompatible materials Keep away from oxidizing materials such as Red Label Hypochlorite.
- 7.3 Specific end use(s)** Lactic acid and chlorhexidine based pre and post milking teat dip, spray or foam. Contains high levels of emollients to help maintain and improve skin condition.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits** Not established

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Glycerol	56-81-5	-	10	-	-	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. Nitrile, CEN standards EN 420 and EN 374 provide general requirements and list of glove types.

Progiene is a brand name of

NET TEX

A division of Rumenco

Dual Defence

Date: 22 July 2014

Revision 1.0

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

None Known

See sections 6,7,12,13

Thermal hazards

8.2.3 Environmental Exposure Controls

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	No perceptible odour
Odour Threshold (ppm)	No data available
pH (Value)	4.5 - 5.5
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)	1.02 +/- 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

9.2 Other information

None

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions of use.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	See 10.5
10.4 Conditions to avoid	Excessive heat and cold.
10.5 Incompatible materials	No particular materials identified.
10.6 Hazardous Decomposition Product(s)	Hazardous decomposition products are not expected to form during normal storage.

Progiene is a brand name of

NET TEX

A division of Rumenco

Dual Defence

Date: 22 July 2014

Revision 1.0

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity	No data available
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

11.2 Other information

None

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
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

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	<p>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.</p> <p>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.</p>
13.2 Additional Information	None

14. SECTION 14: TRANSPORT INFORMATION

<p>14.1 Land transport (ADR/RID) UN number Proper Shipping Name Transport hazard class(es) Packing Group Hazard label(s) Environmental hazards Special precautions for user</p>	<p>Not classified for transport.</p>
<p>14.2 Sea transport (IMDG) UN number Proper Shipping Name Transport hazard class(es) Packing Group Marine Pollutant Special precautions for user</p>	<p>Not classified for transport.</p>
<p>14.3 Air transport (ICAO/IATA) UN number Proper Shipping Name Transport hazard class(es) Packing Group Environmental hazards Special precautions for user</p>	<p>Not classified for transport.</p>
<p>14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</p>	<p>Not applicable</p>

15. SECTION 15: REGULATORY INFORMATION

<p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture</p>	<p>1907/2006 – REACH 1272/2008 – CLP 67/548/EEC –DSD 199/45/EC – DPD 648/2004/EC-Detergents Directive 98/8/EC -BPD</p>
<p>15.1.1 EU regulations Authorisations and/or restrictions on use</p>	<p>Refer to EU regulation for details of any actions or restrictions by the above regulations or directives</p>
<p>15.1.2 National regulations</p>	<p>Refer to national regulation for details of any actions or restrictions by the above regulations or directives</p>
<p>15.2 Chemical Safety Assessment</p>	<p>A Chemical Safety Assessment has not been carried out for this mixture.</p>

16. 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

Risk Phrases and Safety Phrases

R38: Irritating to skin.
R41: Risk of serious damage to eyes.
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.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard statement(s) and Precautionary statement(s)

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
P102: Keep out of reach of children.
P261: Avoid breathing vapours/spray.
P264: Wash skin thoroughly after handling.
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.
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

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.

Dual Defence

Progiene is a brand name of



A division of Rumenco

Date: 22 July 2014

Revision 1.0