



## 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 Progiene Puraclean RTU Clusterflush  
Product Code(s) Not applicable

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

Identified use(s) A specially formulated sanitiser for cluster flushing post milking.  
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 None

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

Company Identification Progiene Dairy Hygiene  
A division of Rumenco,  
Rumenco Limited,  
Stretton House,  
Derby Road,  
Burton on Trent,  
Staffordshire  
DE13 0DW

Telephone +44 (0) 1283 524240

E-Mail (competent person) [info@progiene-dairy.com](mailto: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>	Aquatic Chronic (Category 3). Harmful to aquatic life with long lasting effects.
<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	None
	Signal word(s)	None
	Hazard statement(s)	H412: Harmful to aquatic life with long lasting effects.
	Precautionary statement(s)	P273: Avoid release to the environment. P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
<b>2.3</b>	<b>Other hazards</b>	None
<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 Registration No.	Hazard pictogram(s) and Hazard statement(s)
1,3-Propanediamine,N-(3-aminopropyl)-N-dodecyl	<1.0	2372-82-9	219-145-8	01-2119980592-29	Acute Tox. 3: H301 Skin Corr. 1: H314 STOT RE 2, H373 Aquatic Chronic 1, H410
Alkyl Dimethyl Amine Oxide	0.1 – 0.5	70592-80-2	274-687-2	Not available	Skin Irrit. 2: H315 Eye Dam. 1: H318 Aquatic Acute 1, H400 Aquatic Chronic 2, 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	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give oxygen. First aider needs to protect himself. Call a physician immediately.
Skin Contact	Take off all contaminated clothing immediately. If exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Ingestion	Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**      No information available.

**4.3 Indication of immediate medical attention and special treatment needed**      No information available.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable Extinguishing Media	Dry powder, water spray, foam.
Unsuitable Extinguishing Media	None identified.

**5.2 Special hazards arising from the substance or mixture**      Thermal decomposition or combustion products may include the following substances: toxic fumes.

**5.3 Advice for fire-fighters**      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.

<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, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
Storage Temperature	Store in a cool dry well-ventilated area. Keep container tightly closed. Do not store in heat or direct sunlight.
Storage Life	No data available.
Incompatible materials	Strong acids, alkali, sodium hypochlorite. Heat sources. Corrosive in contact with metals.
<b>7.3 Specific end use(s)</b>	A specially formulated hard surface cleaner for use as an aid in disinfection.

## 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:
-	-	-	-	-	-	-

<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>	Not established
<b>8.2.2 Personal protection equipment</b>	
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
<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	Liquid
Colour	Clear
Odour	Mild
Odour Threshold (ppm)	No data available
pH (Value)	6 - 8
Freezing Point (°C)	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
Relative Density	1.01 – 1.03
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)	,10 cP
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>	Non-reactive under normal conditions of use, storage and transport.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>10.4 Conditions to avoid</b>	Direct sunlight. Extremely high or low temperatures.
<b>10.5 Incompatible materials</b>	Strong acids.
<b>10.6 Hazardous Decomposition Product(s)</b>	Nitrogen oxides (NOx), Carbon oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

Acute toxicity	Not classified.
Irritation	Eye: Not classified. pH 6 - 8. Skin: Not classified. pH 6 - 8. Respiratory system: Not classified. Ingestion: Not classified.
Corrosivity	Not classified.
Sensitisation	Not classified.
Repeated dose toxicity	Not classified.
Carcinogenicity	Not classified.

Mutagenicity Not classified.

Toxicity for reproduction Not classified.

**11.2 Other information** No data available

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity** Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability** No information available.

**12.3 Bioaccumulative potential** No information available.

**12.4 Mobility in soil** No information available.

**12.5 Results of PBT and VPVB assessment** No information available.

**12.6 Other adverse effects** None known.

## 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.

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	Not regulated
Proper Shipping Name	Not regulated
Transport hazard class(es)	Not regulated
Packing Group	Not regulated
Hazard label(s)	None
Environmental hazards	Yes
Special precautions for user	Not applicable.

### 14.2 Sea transport (IMDG)

UN number	Not regulated
Proper Shipping Name	Not regulated
Transport hazard class(es)	Not regulated
Packing Group	Not regulated
Marine Pollutant	Yes
Special precautions for user	Not applicable

#### 14.3 Air transport (ICAO/IATA)

UN number	Not regulated
Proper Shipping Name	Not regulated
Transport hazard class(es)	Not regulated
Packing Group	Not regulated
Environmental hazards	Yes
Special precautions for user	Not applicable

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

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 1272/2008 – CLP 648/2004/EC-Detergents Directive Control of Substance Hazardous to Health (COSHH) 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)**

H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

P273: Avoid release to the environment.

P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Additional 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.