

PROGIENE

dairy hygiene

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	Cleanline BT Powder
Product Code(s)	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Chlorine based ice bank tank cleaner for manual or automatic use for the removal and prevention of fat and protein deposits 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 acids or any other chemical products.
Uses advised against	
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 +44 (0) 808 1781010 info@progiene-dairy.com
Telephone	
E-Mail (competent person)	
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)	Eye Irritation (Category 2) Causes serious eye irritation. Skin Irritation (Category 2). Causes skin irritation.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xi. Irritating to eyes and skin.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictogram	



Signal Word

Warning

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Revision 1.0

PROGIENE

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Hazard statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation. EUH031: Contact with acids liberates toxic chlorine gas.
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 According to Directive 67/548/EEC & Directive 1999/45/EC
2.2.2 Label elements	
Hazard Symbol	
Risk Phrases	R36/38: Irritating to eyes and skin.
Safety Phrases	S2: Keep out of the reach of children. S22: Do not breathe dust. 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. S50: Do not mix with acids. 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.
2.3 Other hazards	None
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)
Chlorinated Trisodium Phosphate	55 - 65	56802-99-4	234-307-8	Not available	Skin Irrit. 1: H315 Eye Irrit. 2 : H319

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	Cas No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Chlorinated Trisodium Phosphate	55 - 65	56802-99-4	234-307-8	Not available	Xi, R36/38

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.
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 irritating 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.

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5. SECTION 5: FIRE-FIGHTING MEASURES

- | | |
|--|---|
| <p>5.1 Extinguishing Media
Suitable Extinguishing Media</p> <p>Unsuitable Extinguishing Media</p> | <p>.</p> <p>Extinguish with dry chemical, foam, water spray, or carbon dioxide.
Straight streams of water</p> |
| <p>5.2 Special hazards arising from the substance or mixture</p> | <p>When heated and in case of fire, chlorine gas may be formed.</p> |
| <p>5.3 Advice for fire-fighters</p> | <p>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</p> |

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | |
|---|---|
| <p>6.1 Personal precautions, protective equipment and emergency procedures</p> | <p>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.</p> |
| <p>6.2 Environmental precautions</p> | <p>Do not allow to enter drains, sewers or watercourses.</p> |
| <p>6.3 Methods and material for containment and cleaning up</p> | <p>Adsorb spillages onto sand, earth or any suitable adsorbent material.</p> |
| <p>6.4 Reference to other sections</p> | <p>Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.</p> |
| <p>6.5 Additional Information</p> | <p>None</p> |

7. SECTION 7: HANDLING AND STORAGE

- | | |
|--|---|
| <p>7.1 Precautions for safe handling</p> | <p>Avoid contact with skin. Avoid breathing dust. Avoid ingestion. Avoid inhalation of dust. 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.</p> |
| <p>7.2 Conditions for safe storage, including any incompatibilities
Storage Temperature
Storage Life
Incompatible materials</p> | <p>Store between 0°C to 25°C. Keep out of direct sunlight. 1 year.
Acids and oxidisers.</p> |
| <p>7.3 Specific end use(s)</p> | <p>Chlorine based ice bank tank cleaner for manual or automatic use for the removal and prevention of fat and protein deposits.</p> |

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 ³)	STEL (ppm)	STEL (mg/m ³)	Note:
-	-	-	-	-	-	EH40

8.1.2 Biological limit value

Not established

8.1.3 PNECs and DNELs

Not established

8.2.1 Appropriate engineering controls

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	Powder
Colour	Pink
Odour	Faint chlorine
Odour Threshold (ppm)	No data available
pH (Value)	11.0 – 12.0
Melting Point (°C) / Freezing Point (°C)	No data available
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)	1.15 – 1.32
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	Reacts violently with acids.
10.4 Conditions to avoid	Direct sunlight.
10.5 Incompatible materials	Acids, oxidisers, and reducing agents.
10.6 Hazardous Decomposition Product(s)	Noxious, toxic or corrosive vapours may be released in a fire situation, and chlorine gas when mixed with acids.

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, Chlorinated Trisodium Phosphate, has been assessed as follows: LD50, oral, rat >2000mg/Kg
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

There is no information regarding the mixture but one of the components, Chlorinated Trisodium Phosphate, has been assessed as follows:

LC50 - Fish – 0.08mg/l - 96 h

No data available.

12.2 Persistence and degradability

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

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

14. SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number Not regulated for transport
 Proper Shipping Name
 Transport hazard class(es)
 Packing Group
 Hazard label(s)
 Environmental hazards
 Special precautions for user

14.2 Sea transport (IMDG)

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

14.3 Air transport (ICAO/IATA)

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

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

Not applicable

15. 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
 67/548/EEC –DSD
 199/45/EC – DPD
 648/2004/EC-Detergents Directive
 98/8/EC -BPD

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.

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

R36/38: Irritating to eyes and skin

S2: Keep out of the reach of children.

S22: Do not breathe dust.

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.

S50: Do not mix with acids.

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.

Hazard statement(s) and Precautionary statement(s)

H315: Causes skin irritation.

H319: Causes serious eye irritation

EUH031: Contact with acids liberates toxic chlorine gas.

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

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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.

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