



## 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

<b>1.1 Product identifier</b>	
Product Name	Progiene Virocur
Product Code(s)	Not applicable
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	BIOCIDAL PRODUCT: PT3, veterinary hygiene disinfectant; PT4, food and feed area disinfectant; PT5, animals' drinking water disinfectant 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
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
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)

Acute Toxicity, oral, (Category 4). Harmful if swallowed.  
 Skin Corrosion (Category 1B). Causes severe skin burns and eye damage.  
 Respiratory Sensitisation (Category 1). May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 Skin Sensitisation (Category 1). May cause an allergic skin reaction.  
 Specific Target Organ Toxicity (Single Category 3). May cause respiratory irritation.  
 Aquatic Chronic (Category 3). Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### 2.2.1 Label elements Hazard Pictogram

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



Signal word(s)

Danger

Hazard statement(s)

H302: Harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.  
 H317: May cause an allergic skin reaction.  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335: May cause respiratory irritation.  
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)	<p>P260 Do not breathe dust.</p> <p>P264 Wash thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P284 Wear respiratory protection.</p> <p>P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/doctor.</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
<b>2.3 Other hazards</b>	None
<b>2.4 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)
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	40 - <50	70693-62-8	274-778-7	01-2119485567-22	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Reaction product of Benzenesulphonic acid, 4-C10-13 sec-alkyl derivs. And Benzenesulphonic acid, 4-methyl-and sodium hydroxide	10 - <20	Not available	932-051-8	01-2119565112-48	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Malic acid	5 - 15	6915-15-7	230-022-8	01-2119906954-31	Eye Irrit. 2, H319
Sulphamidic Acid	3 - 10	5329-14-6	226-218-8	01-2119488633-28	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Dipotassiu Peroxodisulphate	1 - <3	7727-21-1	231-781-8	01-2119495676-19	Ox. Sol. 3, H272 Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit.2, H319 Resp. Sens. 1, H334 STOT SE 3, H335
Limonene	<0.2	5989-27-5	227-813-5	01-2119529223-47	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400, Aquatic Chronic 1, H410

#### 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

Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician. Move to fresh air.

Skin Contact

IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control centre immediately. Chemical burns must be treated by a physician.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately. Do not rub eyes.

Ingestion

Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control centre immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Difficulty in breathing.

### 4.3 Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**  
Suitable Extinguishing Media .  
Water fog. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical powder.
- Unsuitable Extinguishing Media  
Do not use water jet as an extinguisher, as this will spread the fire.
- 5.2 Special hazards arising from the substance or mixture**  
Containers may explode when heated. Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, metal oxides, sulfur compounds, nitrogen compounds.
- 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.  
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.  
Cool containers exposed to flames with water until well after the fire is out.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Do not get in eyes and skin. 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

## SECTION 7: HANDLING AND STORAGE

<b>7.1</b>	<b>Precautions for safe handling</b>	Minimise dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from heat. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>	
	Storage Temperature	Store locked up. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see section 10 of the SDS).
	Storage Life	No data available.
	Incompatible materials	Combustible material. Reducing Agents.
<b>7.3</b>	<b>Specific end use(s)</b>	BIOCIDAL PRODUCT: PT3, veterinary hygiene disinfectant; PT4, food and feed area disinfectant; PT5, animals' drinking water disinfectant.

## 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:
	-	-	-	-	-	EH40

#### 8.1.2 Biological limit value

Not established

#### 8.1.3 PNECs and DNELs

Not established

#### 8.2.1 Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

#### 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. 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

#### 8.2.3 Environmental Exposure Controls

See sections 6,7,12,13



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Powder
Colour	Pink
Odour	No data available
Odour Threshold (ppm)	No data available
pH (Value)	No data available
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
Relative Density	1.07
Solubility (Water)	Completely 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

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Keep away from combustible material. Greatly increases the burning rate of combustible materials.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid</b>	Heat. Contact with incompatible materials.
<b>10.5 Incompatible materials</b>	Combustible material. Reducing Agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

Acute toxicity	Harmful if swallowed. May cause respiratory irritation. May cause allergic respiratory and skin reactions.
Irritation	Causes serious eye damage.
Corrosivity	Causes severe skin burns and eye damage.
Sensitisation	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Repeated dose toxicity	No data available
Carcinogenicity	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Toxicity for reproduction	Based on available data, the classification criteria are not met.
<b>11.2 Other information</b>	None

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Harmful to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	No data available.
<b>12.3 Bioaccumulative potential</b>	No data available..
<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

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	<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>
<b>13.2 Additional Information</b>	None

## SECTION 14: TRANSPORT INFORMATION

### 14.1 Land transport (ADR/RID)

UN number	3260
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))
Transport hazard class(es)	8
Packing Group	II
Hazard label(s)	



Environmental hazards	None
Special precautions for user	Not applicable.

### 14.2 Sea transport (IMDG)

UN number	3260
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))
Transport hazard class(es)	8
Packing Group	II
Marine Pollutant	No
Special precautions for user	Not applicable.

### 14.3 Air transport (ICAO/IATA)

UN number	3260
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Pentapotassium bis(peroxymonosulphate) bis(sulphate))
Transport hazard class(es)	8
Packing Group	II
Environmental hazards	None
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)
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### 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
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### 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

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)

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H412: Harmful to aquatic life with long lasting effects.

P260 Do not breathe dust.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P284 Wear respiratory protection.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 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.