


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 Sprayshield Duo Lactic
Product Code(s)	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Ready-to-use iodine and lactic acid based pre and post milking teat dip, spray or foam to sanitise teats and stimulate milk let-down. 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 +44 (0) 1283 524240 info@progiene-dairy.com
Telephone	+44 (0) 1283 524240
E-Mail (competent person)	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

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Eye Damage (Category 1). Causes serious eye damage.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictogram	
Signal word(s)	Danger
Hazard statement(s)	H318: Causes serious eye damage.

Precautionary statement(s)

P102: Keep out of the reach of children.
 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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

None

2.4 Additional Information

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)
Alcohols, C12-13 - branched and linear, ethoxylated (>5 - 10 EO)	1 - 10	160901-19-9	931-954-4	N/A	Acute Tox. 4: H302 Eye Dam. 1: H318
Iodine	0.1 – 0.3	7553-56-2	231-442-4	01-2119457892-27	Acute Tox. 4: H312 Acute Tox. 4: H332 Aquatic Acute 1:H400
L - (+) Lactic Acid	<1	79-33-4	201-196-2	21-2119474164-39	Skin Irrit. 2, H315 Eye Damage 1, H318

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	If person inhales to spray mist move into fresh air, and if recovery is not rapid seek medical attention.
Skin Contact	Remove contaminated clothing. Wash affected area with plenty of soap and water. If in doubt or symptoms persist obtain medical attention. Launder clothing before re-use.
Eye Contact	Immediately irrigate eye with plenty of water or eye-wash solution for 10 minutes. If irritation persists. Obtain medical attention.
Ingestion	Only if person is conscious, rinse mouth out with plenty of water and give 200-300ml water to drink. DO NOT INDUCE VOMITING. Keep patient at rest and if discomfort persists obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

If inhaled: may cause irritation of nose and throat.
 If ingested: may cause irritation and nausea.
 In contact with skin: prolonged or repeated contact may cause dryness or cracking to the skin.
 In contact with eyes: irritation of eyes and mucous membranes may occur.

4.3 Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Water fog. Carbon dioxide (CO₂). Foam. Dry chemical powder.

Unsuitable Extinguishing Media: None stated.

5.2 Special hazards arising from the substance or mixture

When heated and in case of fire, harmful vapours/gases may be formed.

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.

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

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	Alkalis, metals, oxidising agents.
7.3 Specific end use(s)	Ready-to-use iodine and lactic acid based pre and post milking teat dip, spray or foam to sanitise teats and stimulate milk let-down.

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:
Iodine	7553-56-2	-	-	0.1	1.1	EH40

8.1.2 Biological limit value

Not established

8.1.3 PNECs and DNELs

Not established

8.2.1 Appropriate engineering controls

None stated

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. Wear appropriate protective clothing or apron, or acid-proof chemical protection suit (to EN 14605), PVC and rubber boots to prevent any possibility of contact with skin.



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	Liquid
Colour	Brown
Odour	Iodine
Odour Threshold (ppm)	No data available
pH (Value)	3.5
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

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	Direct sunlight.
10.5 Incompatible materials	Alkalis, metals, oxidising agents.
10.6 Hazardous Decomposition Product(s)	Carbon dioxide, carbon monoxide, halogenated compounds

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, Iodine, has been assessed as follows: LC50 Inhalation. Dusts and mists Rat >4.588 mg/l 4 hours LD50 Dermal Rabbit 1425 mg/kg LD50 Oral Rabbit 14000 mg/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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

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

Acute EC50 1 mg/l Aquatic plants 72 hours

12.2 Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC.

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

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

SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number	Not classified 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 classified 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 classified 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

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 648/2004/EC-Detergents Directive Control of Substance Hazardous to Health (COSHH) Dangerous Substances and Explosive Atmosphere regulations (DSEAR)
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.

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.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.

P102: Keep out of the reach of children.
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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Information

Revision 1.1 was issued on 26 January 2018 to amend the classification of the product.

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.