


## 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 BT Iodine
	Product Code(s)	Not applicable
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	A specially formulated Iodine and Acid-based tank cleaner for the removal of fat and protein deposits in automated systems. 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 +44 (0) 1283 524240 info@progiene-dairy.com
	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

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Skin Corrosion (Category 1B). Causes severe burns and eye damage.
<b>2.2 Label elements</b>	
<b>2.2.1 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictogram	
Signal word(s)	Danger
Hazard statement(s)	H314: Causes severe burns and eye damage.

<p>Precautionary statement(s)</p>	<p>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</p>
<p><b>2.3 Other hazards</b></p>	<p>None</p>
<p><b>2.4 Additional Information</b></p>	<p>None</p>

### 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)
Lactic Acid	10 - 20	79-33-4	201-196-2	01-2119474164-39	Skin Irrit. 2 : H315 Eye Dam.1 : H318
Alcohols, C12-13 – branched & linear, ethoxylated (>5 - 10 EO)	>15	160901-19-9	931-954-4	Not applicable	Acute Tox. 4 : H302 Eye Dam. 1 : H318
Phosphoric Acid	5 - 15	7664-38-2	231-633-2	01-2119485924-24	Skin Corr. 1B: H314
Sulphuric Acid	5 - 15	7664-93-9	231-639-5	01-2119458838-20	Skin Corr. 1B: H314
Iodine	0.1 – 1.0	7553-56-2	231-442-4	01-2119485285-30	Acute Tox. 4 : H312 Acute Tox. 4 : H332 Aquatic Acute 1 : H400

#### 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 spray or 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. Obtain 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 pain and corrosive skin damage. May cause irritation to nose and throat. Damage to eyes including burning and tearing. May cause chemical burns to the nose and throat.

**4.3 Indication of immediate medical attention and special treatment needed** Treat symptomatically.



## 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:
Phosphoric Acid	7664-38-2	-	1	-	2	EH40
Sulphuric Acid	7664-93-9	-	0.05	-	1	EH40
Iodine	7553-56-2	-	-	-	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 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. 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	Slightly viscous liquid
Colour	Brown
Odour	Slightly pungent
Odour Threshold (ppm)	No data available
pH (Value)	1.0 approx.
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)	1.16 +/- 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

<b>10.1 Reactivity</b>	The product reacts with many alkali compounds.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Reacts violently with alkalis. Contact with metals may cause the formation of flammable hydrogen gas.
<b>10.4 Conditions to avoid</b>	Direct sunlight and extremes of temperature.
<b>10.5 Incompatible materials</b>	Strong alkalis and oxidising materials.
<b>10.6 Hazardous Decomposition Product(s)</b>	Noxious, toxic or corrosive vapours, may be released in a fire situation including nitrous gases.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

Acute toxicity	No data available
Irritation	May cause severe irritation to mucous membranes and digestive tract. May cause nausea and stomach pains. May cause severe irritation to respiratory system and mucous membranes.
Corrosivity	Causes severe burns to skin and eyes.
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

<b>12.1 Toxicity</b>	Not regarded as dangerous for the environment.
<b>12.2 Persistence and degradability</b>	Not expected to inhibit aerobic and anaerobic activity.
<b>12.3 Bioaccumulative potential</b>	Not expected to bioaccumulate.
<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

<b>14.1 Land transport (ADR/RID)</b>	
UN number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC. N.O.S. (phosphoric and sulphuric acid solution)
Transport hazard class(es)	8
Packing Group	II
Hazard label(s)	
Environmental hazards	No data
Special precautions for user	Not applicable.
<b>14.2 Sea transport (IMDG)</b>	
UN number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC. N.O.S. (phosphoric and sulphuric acid solution)
Transport hazard class(es)	8
Packing Group	II
Marine Pollutant	No data
Special precautions for user	Not applicable.
<b>14.3 Air transport (ICAO/IATA)</b>	
UN number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC. N.O.S. (phosphoric and sulphuric acid solution)
Transport hazard class(es)	8
Packing Group	II
Environmental hazards	No data
Special precautions for user	Not applicable
<b>14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	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)

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe burns and eye damage.

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.

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.



#### **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.