


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 Calf Scour Test Kit
Product Code(s)	Not applicable
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	A test kit for assessing the presence of Calf Scour. 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
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)	Acute Toxicity, (Category 2). Fatal if swallowed. Aquatic Acute (Category 1). Very toxic to aquatic life. Aquatic Chronic (Category 1). Very toxic to aquatic life with long lasting effects.
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)	H300: Fatal if swallowed. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. EUH032: Contact with acids liberates very toxic gas.

Precautionary statement(s) P102: Keep out of the reach of children.
 P273: Avoid release to the environment.
 P308 + P310: IF exposed or concerned: immediately call a POISON CENTER/doctor.
 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)
Sodium Azide for synthesis	<= 100	26628-22-8	247-852-1	Not available	Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH032

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 After inhalation – move to fresh air.

Skin Contact Remove contaminated clothing immediately and wash skin with soap and water. .

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.

Ingestion If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

4.2 Most important symptoms and effects, both acute and delayed Irritant effects, Cough, Shortness of breath, Dizziness, Unconsciousness, Nausea, Vomiting, Collapse, Circulatory collapse, Headache, Convulsions, CNS disorders.

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	Special powder against metal fire.
Unsuitable Extinguishing Media	Water, Foam.
5.2 Special hazards arising from the substance or mixture	Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. Risk of dust explosion. Fire may cause evolution of: nitrous gases, nitrogen oxides.
5.3 Advice for fire-fighters	Special protective equipment for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Further information: Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, and consult an expert. 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. Sodium azide and other inorganic azides (including explosive heavy metal azides) can be rendered harmless by spraying with or immersion into a 0.1 N solution of ammonium (IV) nitrate in 2 N perchloric acid.
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** Keep workplace dry. Do not allow to come into contact with water. Wear Suitable protective clothing, gloves and eye/face protection. Use product in accordance with good industrial practices for handling and storing of hazardous chemicals. Avoid contact with skin and eyes. Do not mix with other chemicals.
- 7.2 Conditions for safe storage, including any incompatibilities**
- 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.
- Storage Life No data available.
- Incompatible materials Acids.
- 7.3 Specific end use(s)** A test kit for assessing the presence of Calf Scour.

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:
Sodium Azide for synthesis	26628-22-8	-	0.1	-	0.3	EH40

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2.1 Appropriate engineering controls** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
- 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. Respiratory protection is required when dusts are generated. Recommended Filter type: Filter P 3 (acc. to DIN 3181) for solid and liquid particles of toxic and very toxic substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

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	Solid
Colour	White
Odour	Odourless
Odour Threshold (ppm)	No data available
pH (Value)	No data available
Melting Point (°C) / Freezing Point (°C)	275
Boiling point/boiling range (°C):	300
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	1.85
Solubility (Water)	420g/l at 17°C
Solubility (Other)	No data available
Partition Coefficient (n-Octanol/water)	Log Pow: 0.3
Auto Ignition Temperature (°C)	No data available
Decomposition Temperature (°C)	>275
Viscosity (mPa.s)	No data available
Explosive properties	Not classified as explosive
Oxidising properties	None
9.2 Other information	None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Highly reactive. Risk of dust explosion.
10.2 Chemical stability	Stable under normal conditions. The product may become unstable at elevated temperatures.
10.3 Possibility of hazardous reactions	A risk of explosion and/or of toxic gas formation exists with the following substances: Heavy metals, Bromine, dimethylsulfate, Acid, dichloromethane, carbon disulfide, sulphuric acid, Halogenated hydrocarbon, Copper, Lead, chromyl chloride. Generates dangerous gases or fumes in contact with: Acids, Water Violent reactions possible with: nitrates, benzoyl chloride.
10.4 Conditions to avoid	Excessive heat. Exposure to moisture.
10.5 Incompatible materials	Aluminium, heavy metals.
10.6 Hazardous Decomposition Product(s)	No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.2 Mixtures	
Acute toxicity	LD 50, Oral, Rat: 27 mg/kg. LD 50, Dermal, Rabbit, 20 mg/kg.
Irritation	Slight irritation to eye and skin.
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	Systemic effects: CNS disorders, Circulatory collapse, tachycardia, drop in blood pressure, Cough, Shortness of breath, Convulsions, Headache, Dizziness, Nausea, Vomiting, collapse, Unconsciousness. This substance should be handled with particular care.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	<p>Toxicity to fish: LC50 <i>Lepomis macrochirus</i> (Bluegill sunfish): 0.7 mg/l; 96 h (ECOTOX Database) Toxicity to daphnia and other aquatic invertebrates: EC50 <i>Daphnia pulex</i> (Water flea): 4.2 mg/l; 48 h (ECOTOX Database) Toxicity to algae: IC50 mixed culture of green algae: 272 mg/l(Lit.) Toxicity to bacteria: EC50 <i>Photobacterium phosphoreum</i>: 38.5 mg/l(Lit.)</p>
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available..
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	Forms toxic mixtures in water, dilution measures notwithstanding. Herbicide. Nematocidal effect. Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	<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>
13.2 Additional Information	None

SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

UN number	1687
Proper Shipping Name	SODIUM AZIDE
Transport hazard class(es)	6.1
Packing Group	II
Hazard label(s)	No data available
Environmental hazards	Yes
Special precautions for user	Yes

14.2 Sea transport (IMDG)

UN number	1687
Proper Shipping Name	SODIUM AZIDE
Transport hazard class(es)	6.1
Packing Group	II
Marine Pollutant	Yes
Special precautions for user	Yes

14.3 Air transport (ICAO/IATA)

UN number	1687
Proper Shipping Name	SODIUM AZIDE
Transport hazard class(es)	6.1
Packing Group	II
Environmental hazards	Yes
Special precautions for user	Yes

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

Not applicable

SECTION 15: REGULATORY INFORMATION

<p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p>	<p>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)</p>
<p>15.1.1 EU regulations</p> <p>Authorisations and/or restrictions on use</p>	<p>EU regulations: Major Accident Hazard Legislation 96/82/EC Very toxic 1 Quantity 1: 5 t Quantity 2: 20 t</p> <p>96/82/EC Dangerous for the environment 9a Quantity 1: 100 t Quantity 2: 200 t</p> <p>Occupational restrictions: Take note of Dir 94/33/EC on the protection of young people at work. Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.</p>
<p>15.1.2 National regulations</p>	<p>Refer to national regulation for details of any actions or restrictions by the above regulations or directives.</p>
<p>15.2 Chemical Safety Assessment</p>	<p>A Chemical Safety Assessment has not been carried out for this mixture.</p>



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)

H300: Fatal if swallowed.

H400: Very toxic to aquatic life.

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

EUH032: Contact with acids liberates very toxic gas. H301: Toxic if swallowed.

P102: Keep out of the reach of children.

P273: Avoid release to the environment.

P308 + P310: IF exposed or concerned: immediately call a POISON CENTER/doctor.

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.