

1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product Name Product Number	Biofoam E DP 1017
1.2	Identification of Uses	Pre-Wash Foaming Cleaner designed to meet the demands of modern livestock housing.
1.3	Supplier	Biolink Limited. Halifax Way Pocklington Ind. Est Pocklington York YO42 1NR
	Telephone No.	44-(0)- 1759 303444
	Fax No.	44-(0)- 1759 303158
	Email - Technical	paul@biolinklimited.co.uk
	Sales	info@biolinklimited.co.uk
1.4	Emergency Phone	44-(0)- 1280 738605 (office hours only)

2 - HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
 Causes burns, harmful by inhalation, in contact with skin and if swallowed, harmful to aquatic organisms, may cause harmful long term effects in the aquatic environment.

2.2 LABEL ELEMENTS

Hazard symbol(s)



Corrosive

R-phrase(s)

- R34 Causes burns
- R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed
- R52/53 Harmful to aquatic organisms, may cause harmful long term effects in the aquatic environment.

S-phrase(s)

- S (1/2) Keep locked up and out of reach of children.
- S 3 Do not breath vapour
- S 36/37/39 Wear suitable protective clothing, gloves and eye face protection.
- S 24/25 Avoid contact with skin and eyes.
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 28 After contact with skin wash immediately with plenty of water.

S 45	In case of accident, or if you feel unwell, seek medical advice immediately and show the label where possible.
S 61	Avoid release to the environment. Refer to safety data sheet.
S62	If swallowed do not induce vomiting; seek medical advice immediately and show this container or label.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredient Name	Percent	CAS No.	EC No.	Index No.
Sodium Hydroxide C, R35	>1% <3%	1310-73-2	215-185-5	011-002-00-6
Sodium lauryl ether sulphate Xi, R36/38	>10% <15%	68585-34-2	500-223-8	-
Amines, C10-16-alkyldimethyl, N-oxides Xi, N, R38 – 41 – 50	>0.1% <1.0%	70592-80-2	274-687-2	-
Butyl Glycol Ether Xn, R20/21/22 – 36/38	>5% <10%	111-76-2	203-905-0	603-014-00-0

See Section 16, for the full text of R-Phrase mentioned in this Section.

4 - FIRST AID MEASURES

GENERAL ADVICE

Consult a physician. Show this safety data sheet to the doctor in attendance.

AFTER INHALATION

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician if symptoms persist.

AFTER SKIN CONTACT

Remove contaminated clothing. Wash off with plenty of water. Consult a physician if symptoms persist.

AFTER EYE CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

AFTER INGESTION

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None

5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus for fire fighting if necessary.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Combustion products: Oxides of nitrogen, oxides of carbon.

SPECIFIC METHOD(S) OF FIRE FIGHTING

Use water spray to cool unopened containers.

6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid contact with skin and eyes. Slip hazard.

ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with skin and eyes.

CONDITIONS FOR SAFE STORAGE

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect from frost.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Component	CAS-No.	Value	Control Parameters	Basis
Butyl Glycol Ether	111-76-2	STEL	50ppm	UK. EH40 WEL - Workplace Exposure Limits
		TWA	25ppm	UK. EH40 WEL - Workplace Exposure Limits
		STEL	50 ppm - 246mg/m3	2000/39/EC
		TWA	20 ppm – 98 mg/m3	2000/39/EC
Sodium Hydroxide	1310-73-2	STEL	2 mg/m3	UK. EH40 WEL - Workplace Exposure Limits

APPROPRIATE ENGINEERING CONTROLS

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

Eye/face protection

Tightly fitting safety goggles or faceshield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

PVC apron or complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State:	Liquid	
Colour:	colourless or pale yellow	
Property	Value	Temperature or Pressure & comments
pH	13.5 approx.	
BP/BP Range	>100°C	
MP/MP Range	<0°C	
Flash Point	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapour Pressure	N/A	
SG/Density	1.016 g/ml	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapour Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	Water: Complete	

10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable under normal conditions of storage.

CONDITIONS TO AVOID

High temperatures

MATERIALS TO AVOID

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

None, see section 5 for decomposition products under fire conditions.

11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

LD50 Oral – Rabbit – 500 mg/kg (Sodium Hydroxide)

LD50 Oral – rat – 470 mg/kg (Butyl Glycol Ether)

LC50 Inhalation – rat – 450 ppm Remarks: Behavioral:Ataxia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain (Butyl Glycol Ether)

LD50 Intraperitoneal - rat - 220 mg/kg (Butyl Glycol Ether)

IRRITATION AND CORROSION

Skin - rabbit - Causes severe burns - 24h (Sodium Hydroxide)

Eyes - rabbit - Severe eye irritation - 24 h (Sodium Hydroxide)

Eyes - rabbit - Moderate eye irritation – 24 (Butyl Glycol Ether)

SENSITISATION

no data available

CHRONIC EXPOSURE

IARC: Contains one or more substances in Group 3: not classifiable as to their carcinogenicity to humans

POTENTIAL HEALTH EFFECTS

Inhalation: Severe irritation, may cause burns

Skin: Irritating to skin

Eyes: Severe irritation, may cause burns

Ingestion: Harmful if swallowed, may cause burns

12 - ECOLOGICAL INFORMATION

TOXICITY

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h (Sodium Hydroxide)

LC50 – other fish – 220 mg/l – 96 h (Butyl Glycol Ether)

Toxicity to daphnia and other aquatic invertebrates. Immobilization EC50 - Daphnia - 40.38 mg/l - 48 h (Sodium Hydroxide)

EC50 –Daphnia magna (Water flea) – 1815 mg/l – 24 h (Butyl Glycol Ether)

PERSISTENCE AND DEGRADABILITY

no data available

BIOACCUMULATIVE POTENTIAL

no data available

MOBILITY IN SOIL

no data available

RESULTS OF PBT AND vPvB ASSESSMENT

no data available

OTHER ADVERSE EFFECTS

no data available

13 - DISPOSAL CONSIDERATIONS

PRODUCT

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

CONTAMINATED PACKAGING

Dispose of as unused product.

14 - TRANSPORT INFORMATION

UN-NUMBER

ADR/RID: 1760

IMDG: 1760

IATA: 1760

UN PROPER SHIPPING NAME

ADR/RID: Corrosive Liquid N.O.S. (Contains Sodium hydroxide)

IMDG: Corrosive Liquid N.O.S. (Contains Sodium hydroxide)

IATA: Corrosive Liquid N.O.S. (Contains Sodium hydroxide)

TRANSPORT HAZARD CLASS(ES)

ADR/RID: 8

IMDG: 8

IATA: 8

PACKAGING GROUP

ADR/RID: III

IMDG: III

IATA: III

ENVIRONMENTAL HAZARDS

ADR/RID: No

IMDG: Marine pollutant: No

IATA: No

SPECIAL PRECAUTIONS FOR USERS

no data available

15 - REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16 - OTHER INFORMATION

Text of R-phrases mentioned in Section 3

C	Corrosive
Xn	Harmful
Xi	Irritant
N	Dangerous for the Environment

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R35	Causes severe burns
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms

FURTHER INFORMATION

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