

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:

Biofoam

AS SOLD BY VETOQUINOL CANADA

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COMPAS

MATERIAL SAFETY DATA SYSTEMS

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Material Safety Data Sheet



Biofoam

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

This SDS adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Biofoam
MSDS Number	:	130000033578
Product Use	:	Descaler, Cleaning agent
Manufacturer	:	Antec International Limited Windham Road Sudbury / Suffolk - CO10 2XD United Kingdom
Product Information	:	1-800-441-7515 (outside the U.S. 1-302-774-1000)
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Potential Health Effects

Skin : Causes: Severe skin irritation

Eyes : Causes: Severe eye irritation

Inhalation : Harmful if inhaled.

Ingestion : Harmful if swallowed.

Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Biofoam**

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

Component	CAS-No.	Concentration
Sulphamidic acid	5329-14-6	10 - 15 %
Polyethylene Oxide Mono-C6-12-Alkyl Ether	68439-45-2	5 - 7 %
(Carboxylatomethyl)dimethyltetradecylammonium	2601-33-4	1 - 5 %
(Carboxylatomethyl)dodecyldimethylammonium	683-10-3	1 - 5 %

SECTION 4. FIRST AID MEASURES

Skin contact	: Wash off immediately with plenty of water. Take off all contaminated clothing immediately.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Inhalation	: Move to fresh air. Artificial respiration and/or oxygen may be necessary.
Ingestion	: Do NOT induce vomiting. Rinse mouth. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
General advice	: Remove from exposure, lie down. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.
Notes to physician	: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Flammable Properties	
Flash point	: no data available
Fire and Explosion Hazard	: Hazardous decomposition products



Biofoam

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

Ammonia Nitrogen oxides (NOx) Sulphur oxides

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : none
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Avoid contact with the skin and the eyes. Wear personal protective equipment.
- Spill Cleanup : Soak up with inert absorbent material and dispose of as hazardous waste.
- Accidental Release Measures : Do not contaminate water. Do not contaminate surface water. Do not allow material to contaminate ground water system. Do not let product enter drains. Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Wear personal protective equipment. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8.
- Storage : Store in original container. Perishable if frozen.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : Ensure adequate ventilation.
- Personal protective equipment



Biofoam

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

Respiratory protection : Provide adequate ventilation. Use NIOSH approved respiratory protection.

Hand protection : Material: Rubber gloves

Eye protection : Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

Skin and body protection : Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.

Exposure Guidelines
Exposure Limit Values

None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Color : light yellow
Odor : characteristic
pH : 2.0 - 2.3 at 10 g/l
Specific gravity : 1.05 - 1.06 at 20 °C (68 °F)

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Will react with most metals, releasing potentially explosive hydrogen gas.
Incompatibility : Strong bases Strong oxidizing agents
Hazardous decomposition products : Hazardous decomposition products: Sulphur oxides, Ammonia, Nitrogen oxides (NOx)
Hazardous reactions : Gives off hydrogen by reaction with metals.

**Biofoam**

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

SECTION 11. TOXICOLOGICAL INFORMATION

Sulphamidic acid

Dermal LD50 : > 2,000 mg/kg , Rat

Oral LD50 : > 2,000 mg/kg , Rat

Skin irritation : Severe skin irritation, Rabbit

Eye irritation : Eye irritation, Rabbit

Repeated dose toxicity : Oral
Rat

No toxicologically significant effects were found.

Mutagenicity : Animal testing did not show any mutagenic effects.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Polyethylene Oxide Mono-C6-12-Alkyl Ether

Dermal LD50 : > 2,000 mg/kg , Rabbit

Oral LD50 : 300 - 2,000 mg/kg , Rat

Inhalation 4 h LC50 : > 8.02 mg/l , Rat

Skin irritation : Moderate skin irritation, Rabbit

Eye irritation : Severe eye irritation, Rabbit

Skin sensitization : Does not cause skin sensitisation., Guinea pig

Repeated dose toxicity : Oral
Rat

No adverse effect has been observed in chronic toxicity tests.

Dermal
Rat

No adverse effect has been observed in chronic toxicity tests.

Carcinogenicity : Not classifiable as a human carcinogen.

**Biofoam**

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

Overall weight of evidence indicates that the substance is not carcinogenic.

- Mutagenicity : Animal testing did not show any mutagenic effects.
Evidence suggests this substance does not cause genetic damage in animals.
Did not cause genetic damage in cultured bacterial cells.
- Reproductive toxicity : No toxicity to reproduction
Animal testing showed no reproductive toxicity.
- Teratogenicity : Animal testing showed no developmental toxicity.

(Carboxylatomethyl)dodecyldimethylammonium

- Skin irritation : No skin irritation, Rabbit
Information given is based on data obtained from similar substances.
- Eye irritation : Irreversible effects on the eye, Rabbit
Information given is based on data obtained from similar substances.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Sulphamidy acid

- 96 h LC50 : Pimephales promelas (fathead minnow) 70.3 mg/l OECD Test Guideline 203
Information given is based on data obtained from similar substances.
- 72 h ErC50 : Desmodesmus subspicatus (green algae) 48 mg/l OECD Test Guideline 201
- 72 h NOEC : Desmodesmus subspicatus (green algae) 18 mg/l OECD Test Guideline 201
- 48 h EC50 : Daphnia magna (Water flea) 71.6 mg/l OECD Test Guideline 202

(Carboxylatomethyl)dodecyldimethylammonium

- 96 h LC50 : Oryzias latipes (Orange-red killifish) 0.88 mg/l OECD Test Guideline 203
- 72 h EC50 : Pseudokirchneriella subcapitata (green algae) 3.8 mg/l OECD Test

**Biofoam**

Version 2.2

Revision Date 03/13/2015

Ref. 130000033578

Guideline 201

72 h NOEC	:	Pseudokirchneriella subcapitata (green algae) 0.73 mg/l
48 h EC50	:	Daphnia magna (Water flea) 2 mg/l OECD Test Guideline 202
21 d	:	NOEC Daphnia magna (Water flea) 0.29 mg/l OECD Test Guideline 211

Environmental Fate

Sulphamidic acid

Biodegradability	:	Biodegradable Not applicable
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(Carboxylatomethyl)dodecyldimethylammonium

Biodegradability	:	rapidly biodegradable OECD Test Guideline 301D Information given is based on data obtained from similar substances.
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Bioaccumulation	:	Bioaccumulation is unlikely. Information given is based on data obtained from similar substances.
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SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal	:	Dispose of as special waste in compliance with local and national regulations.
Environmental Hazards	:	If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or groundwater.

SECTION 14. TRANSPORT INFORMATION

TDG_ROAD	UN number	:	2967
	Proper shipping name	:	SULPHAMIC ACID (Sulfamic acid)
	Class	:	8
	Packing group	:	III

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TDG_RAIL	Labelling No.	: 8
	UN number	: 2967
	Proper shipping name	: SULPHAMIC ACID (Sulfamic acid)
IATA_C	Class	: 8
	Packing group	: III
	Labelling No.	: 8
	UN number	: 2967
	Proper shipping name	: Sulphamic acid (Sulfamic acid)
IMDG	Class	: 8
	Packing group	: III
	Labelling No.	: 8
	UN number	: 2967
	Proper shipping name	: SULPHAMIC ACID (Sulfamic acid)
	Class	: 8
	Packing group	: III
	Labelling No.	: 8

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : E - Corrosive Material
Severe respiratory irritant, Severe eye irritant, Severe skin irritant
D1B - Toxic Material Causing Immediate and Serious Toxic Effects
Toxic by ingestion

Remarks : This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 03/13/2015



Biofoam

Version 2.2

Revision Date 03/13/2015

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No ES Annex has been created as to the best of our knowledge and information available at the date of its publication no Exposure Scenario information is currently available for the substances within the mixture. Please see Sections 1 to 16 of the Safety Data Sheet.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.

