

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
SDS ID: 50141  
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**SECTION 1: Identification****1.1. Identification**

Product form : Mixture  
Trade name : AQUABIO  
Product code : 96601-TC

**1.2. Recommended use and restrictions on use**

Recommended use : Holding tank treatment for RV and portable waste holding tanks

**1.3. Supplier****Manufacturer**

Thetford LLC  
7101 Jackson Road  
Ann Arbor, MI 48103  
USA  
T (734) 769-6000  
[sds@thetford.com](mailto:sds@thetford.com)

**1.4. Emergency telephone number**

Country	Organization/Company	Address	Emergency number	Comment
USA	CHEMTRIC - 24/7		(800) 424-9300	

**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****GHS US classification**

Acute toxicity (oral) Category 4 H302 Harmful if swallowed  
Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage  
Full text of H statements : see section 16

**2.2. GHS Label elements, including precautionary statements****GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H302 - Harmful if swallowed

H318 - Causes serious eye damage

Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye protection.

P301+P312 - If swallowed: Call a POISON CENTER if you feel unwell.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER.

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P330 - Rinse mouth.

P501 - Dispose of contents/container to in accordance with local regulation..

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Mixture of the following ingredients with non hazardous additions.

Name	Product identifier	%	GHS US classification
Calcium nitrate	CAS-No.: 10124-37-5	10 – 20	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ethoxylated alcohols	CAS-No.: 34398-01-1	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

: Gently wash with plenty of soap and water.

First-aid measures after eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion

: Do NOT induce vomiting. Drink plenty of water. Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and

: Based on available data, the classification criteria are not met.

symptoms

: Causes serious eye damage.

Symptoms/effects

: None under normal use.

Symptoms/effects after inhalation

: Contact during a long period may cause slight irritation.

Symptoms/effects after skin contact

: Serious damage to eyes.

Symptoms/effects after eye contact

: Ingestion may cause nausea and vomiting.

Symptoms/effects after ingestion

: No known toxicological effects from this product.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

Hazardous decomposition products in case of fire : Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Nitrogen oxides.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Wear suitable protective clothing. No flames, no sparks. Eliminate all sources of ignition.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Protective gloves. Safety glasses. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up small spills with water. Soak up larger spills with absorbent material. Place used absorbent in closed containers for disposal. Mop the area with plenty of cold, clean water. Dispose of in accordance with federal, state, and local regulations.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Wear personal protective equipment. Wash thoroughly after handling. Keep away from sources of ignition - No smoking. Spilled material may be slippery.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep away from ignition sources. Do not freeze.
Incompatible products	: Strong bases. Strong acids.
Storage temperature	: > 0 – < 38 °C (>32 - <100°F)
Storage area	: Store in a well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

#### Ethoxylated alcohols (34398-01-1)

No additional information available

#### Calcium nitrate (10124-37-5)

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Safety glasses

#### Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Yellow
Odor	: grapefruit
Odor threshold	: Not available
pH	: 3 – 4
Melting point	: Not applicable
Freezing point	: 0 °C (32°F)
Boiling point	: 97 °C (207°F)

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flash point	: > 200 °F (>93°C)
Relative evaporation rate (butyl acetate=1)	: Not available
Relative evaporation rate (ether=1)	: Not available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: Not available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.11 – 1.135 g/ml
Solubility	: In water, material soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 500 – 600 cP
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

VOC content	: Not available
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	≥
ATE US (oral)	1779.518 mg/kg body weight

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>Ethoxylated alcohols (34398-01-1)</b>	
ATE US (oral)	500 mg/kg body weight
<b>Calcium nitrate (10124-37-5)</b>	
LD50 oral rat	300 – 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE US (oral)	300 mg/kg body weight
Skin corrosion/irritation	: Not classified pH: 3 – 4
<b>Calcium nitrate (10124-37-5)</b>	
pH	6 Concentration: 5 other:
Serious eye damage/irritation	: Causes serious eye damage. pH: 3 – 4
<b>Calcium nitrate (10124-37-5)</b>	
pH	6 Concentration: 5 other:
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
<b>Calcium nitrate (10124-37-5)</b>	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Causes serious eye damage.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Contact during a long period may cause slight irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting.
Chronic symptoms	: No known toxicological effects from this product.
<b>SECTION 12: Ecological information</b>	
<b>12.1. Toxicity</b>	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
<b>Calcium nitrate (10124-37-5)</b>	
LC50 - Fish [1]	1378 mg/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	490 mg/l Test organisms (species): Daphnia magna

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Calcium nitrate (10124-37-5)

EC50 - Other aquatic organisms [1]	490 mg/l Test organisms (species):
LC50 - Fish [2]	1378 mg/l Test organisms (species):
EC50 96h - Algae [1]	16631.303 mg/l Source: ECOSAR

### 12.2. Persistence and degradability

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Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : The generation of waste should be avoided or minimized wherever possible. Waste disposal should be in accordance with existing federal, state and local regulations. Empty containers should be rinsed and taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated  
Proper Shipping Name (TDG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not regulated

#### TDG

Transport hazard class(es) (TDG) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (TDG) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

Not regulated

#### TDG

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Ethoxylated alcohols	34398-01-1	Present	Inactive	N;P;XU
Calcium nitrate	10124-37-5	Present	Inactive	

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 9/26/2023

Other information : None.

### Full text of H-phrases

H272	May intensify fire; oxidizer
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# AQUABIO

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Full text of H-phrases

H302	Harmful if swallowed
H318	Causes serious eye damage

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.