

**Safety Data Sheet**

according to the Work Health and Safety (WHS) Regulations

Reference number: 30640

Issue date: 11-4-2022 Revision date: 07-4-2022 Supersedes: 21-3-2019 Version: 1.2

**SECTION 1: Product identifier****1.1. GHS Product identifier**

Product form : Mixture  
Trade name : AQUA KEM GREEN CONCENTRATED  
Product code : 30640-TBV

**1.2. Other means of identification**

No additional information available

**1.3. Recommended use of the chemical and restrictions on use**

Recommended use : Additive for the waste-holding tank of mobile toilets.  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

**1.4. Details of manufacturer or importer****Manufacturer**

Thetford BV B.V.  
Nijverheidsweg 29  
P.O. Box 169  
Etten-Leur 4879 AP  
The Netherlands  
T +31(0)765042200 - F +31(0)765042300  
[sds@thetford.eu](mailto:sds@thetford.eu) - [www.thetford-europe.com](http://www.thetford-europe.com)

**Distributor**

Lewis Gray Limited Ltd  
40G William Pickering Drive  
P.O. Box 302060  
North Harbour Auckland 0751  
New Zealand  
T +64 9 415 3348  
[sales@lewisgray.com](mailto:sales@lewisgray.com)

**Importer**

Thetford Australia Pty. Ltd. Ltd  
130-132 Freight Drive  
SOMERTON VIC 3062  
Australia  
T +61 3 9358 0700 - F +61 9357 7060  
[sds@thetford.eu](mailto:sds@thetford.eu) - <http://www.thetford.com.au>

**Distributor**

Coast RV Pty Ltd  
74 Greenmount Drive  
East Tamaki, Auckland 2013  
New Zealand  
T +64 9 274 8700  
[enquiry@coastrv.co.nz](mailto:enquiry@coastrv.co.nz)

**Distributor**

Trailcom Limited Ltd  
15 Oak Road  
P.O. Box 98-861  
Manukau City, Manukau 2241  
New Zealand  
T +64 9 261 0295  
[trojan@trailcom.co.nz](mailto:trojan@trailcom.co.nz)

**1.5. Emergency phone number**

Emergency number : Thetford B.V. : +31 (0)76 5042200 (Reachable during office hours)

Country	Organisation/Company	Address	Emergency number	Comment
Australia	Emergency Response Service		1800 033 111	
Australia	Australia Poisons Information Centre (PIC)		13 11 26	
New Zealand	Emergency Response Service		0800 734 607	

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### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Acute Hazard, Category 3 H402

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Corrosion

Signal word (GHS AU) :

Danger

Contains :

Calcium nitrate (10-30 %); bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (1 – 10 %)

Hazard statements (GHS AU) :

H318 - Causes serious eye damage  
H402 - Harmful to aquatic life

Precautionary statements (GHS AU) :

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection.  
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 or doctor.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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

No additional information available

### SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Calcium nitrate	10124-37-5	10-30	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	52-51-7	1 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

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First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Symptoms caused by exposure

Symptoms/effects after eye contact	: Causes serious eye damage.
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### 4.3. Medical attention and special treatment

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

No additional information available

### 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 the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	: Wash hands thoroughly after handling.

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

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

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### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

No additional information available

#### 8.2. Biological Monitoring

No additional information available

#### 8.3. Engineering controls

No additional information available

#### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses
Respiratory protection	: Wear appropriate mask

#### Personal protective equipment symbol(s)



Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: dark green
Odour	: Citrus fruits
Odour threshold	: No data available
pH	: 3,1 – 4,3
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Freezing point: $\approx 0$
Boiling point	: $\approx 100$ °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 1,123 – 1,143 g/cm <sup>3</sup>
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: 300 – 400 mPa.s
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0,003 %
Fat solubility	: No data available

### SECTION 10: Stability and reactivity

Reactivity	: No additional information available
Chemical stability	: Stable up to 50°C. At an average temperature of 30°C, Aqua Kem Green Concentrated can be kept for several years. After a few years, there might be a slight reduction in strength.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong acids. Strong bases.

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Hazardous decomposition products : fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

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

LD50 oral rat	300 – 2000 mg/kg bodyweight 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:Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nousan, Notification No 8147, November 2000, including the most recent partial revisions
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

LD50 oral rat	305 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	≥ 0,588 mg/l air Animal: rat

Skin corrosion/irritation : Not classified  
pH: 3,1 – 4,3  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 3,1 – 4,3  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

NOAEL (chronic, oral, animal/male, 2 years) 7 mg/kg bodyweight

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified

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

NOAEL (oral, rat, 90 days) ≥ 1000 mg/kg bodyweight 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))

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

LOAEL (oral, rat, 90 days) 20 mg/kg bodyweight Animal: dog

Aspiration hazard : Not classified  
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

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### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Other information : Avoid release to the environment.

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

LC50 - Fish [1] 1378 mg/l Test organisms (species): Poecilia reticulata

EC50 - Crustacea [1] 490 mg/l Test organisms (species): Daphnia magna

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

EC50 - Crustacea [1] 1,4 mg/l Test organisms (species): Daphnia magna

LOEC (chronic) 0,88 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC (chronic) 0,27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC chronic fish 21,5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '49 d'

### 12.2. Persistence and degradability

#### AQUA KEM GREEN CONCENTRATED

Persistence and degradability Not established.

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

Biodegradation 70 – 80 % OECD 301B Ready Biodegradability, CO2 Evolution Test, 28 days

### 12.3. Bioaccumulative potential

#### AQUA KEM GREEN CONCENTRATED

Bioaccumulative potential Not established.

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

Bioaccumulative potential Low bioaccumulation potential.

### 12.4. Mobility in soil

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

Ecology - soil No data available.

### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

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Fluorinated greenhouse gases False

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

Fluorinated greenhouse gases False

#### bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)

Fluorinated greenhouse gases False

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

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Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated	Not regulated	Not regulated
<b>14.2. UN Proper Shipping Name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Not regulated

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

##### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions  
Inventory) status

##### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Covered by The Standard for the Uniform : This chemical is covered by the Standard for the Uniform Scheduling of Medicines and  
Scheduling of Medicines and Poisons (SUSMP) Poisons  
Relevant Poisons Schedule number : Unscheduled substance

#### 15.2. International agreements

No additional information available

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### SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
	Australian Inventory of Industrial Chemicals (AICIS Inventory) status	Added	
1.2	Restrictions on use	Added	
2.2	Precautionary statements (GHS AU)	Modified	
9.1	pH	Modified	
15.1	Relevant Poisons Schedule number	Added	

Revision date : 07/04/2022

Other information : None.

Classification	
Eye Dam. 1	H318
Aquatic Acute 3	H402

Full text of H-statements	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Acute 3	Hazardous to the aquatic environment – Acute Hazard, Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

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.