SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixtures
Trade name : AQUA KEM GREEN
Product code : 24515-TBV
Type of product : Additive for the waste-holding tank of mobile toilets.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use
Use of the substance/mixture : Additive for the waste-holding tank of mobile toilets.
Function or use category : Cleaning/washing agents and additives, Odour agents

Title	Use descriptors
Consumer use of washing and cleaning products	SU21, PC35, ERC8a

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
Thetford BV
Nijverheidsweg 29
4879 AP Etten-Leur - The Netherlands
T +31(0)765042200 - F +31(0)765042300
sds@thetford.eu - www.thetford-europe.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P102 - Keep out of reach of children
Security closing plug for children : Not applicable
Tactile warning : Not applicable

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium nitrate	(CAS-No.) 10124-37-5 (EC-No.) 233-332-1	30 - 50	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of 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 : Not expected to require first aid measures.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Flush with plenty of water.

First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if irritation develops.

First-aid measures after ingestion : Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire, product can produce hazardous vapours and fumes.

5.3. Advice for firefighters

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.

Other information : The product is not flammable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Can be slippery on hard, smooth walking area. Wear suitable protective clothing. Clean spills promptly.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent any contamination of surface water or groundwater by the undiluted product. Product should be treated (biological waste water treatment) before entering surface waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Use sand or absorptive granules to soak up any spilled product and store it in a container. Next, rinse the contaminated surface with water and leave it to dry. Dispose of in accordance with the procedure set out in section 13.

6.4. Reference to other sections

Exposure controls and personal protection. See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store at a temperature between -20°C and 40°C. Maintain adequate ventilation. Store away from reducing agents. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Aqua Kem Green is an additive for the holding tank of your mobile toilet. It reduces and masks unpleasant smells. Helps to prevent gas build up. Keeps your tank clean.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Not required.

Eye protection:

Not required.

Respiratory protection:

Not required.

Consumer exposure controls:

Read the instructions for use before handling and dispensing this product.

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
Colour	:	Green.
Odour	:	Citrus fruits.
Odour threshold	:	No data available
pH	:	5 - 6
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	-20 °C
Freezing point	:	No data available
Boiling point	:	~ 100 °C
Flash point	:	> 100 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,29 - 1,31 g/ml
Solubility	:	Water: 100 %
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	min 150 mPa.s
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

VOC content	:	1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable up to 50°C. At an average temperature of 30°C, Aqua Kem Green can be kept for several years. After a few years, there might be a slight reduction in strength.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

See section 7.

10.5. Incompatible materials

Reducing agents.

10.6. Hazardous decomposition products

According to process conditions, hazardous decomposition products may be generated. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

AQUA KEM GREEN	
LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified (Not a skin irritant according to OECD / EC labeling requirements (OECD 404 - test))

pH: 5 - 6

Serious eye damage/irritation : Not classified (Not an eye irritant according to OECD/EC labeling requirements (OECD 405 - test).)

pH: 5 - 6

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not applicable.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : The Respiration Inhibition of Aqua Kem Green on Activated Sludge is < 10 % at a dilution of 1/2 of the recommended dosage according to OECD 209, Respiration Inhibition Test. The Nitrification Inhibition of Aqua Kem Green on micro organisms in Activated Sludge is < 10 % at a dilution of 1/2 of the recommended dosage according to EN-ISO 9509, Nitrification Inhibition Test.

AQUA KEM GREEN	
Additional information	Aqua Kem Green is readily biodegradable under anaerobic conditions (> 60%) according ISO 11734. Can be emptied in a septic tank.. Aqua Kem Green has been awarded with the Dutch environmental seal Milieukeur" and the German environmental seal "Der Blaue Engel" (RAL-UZ 84a).". The acute toxicity of Aqua Kem Green to Daphnia is > 100 mg/L (EC0) after 48 hours according to OECD 202.. The acute toxicity of Aqua Kem Green to Algae is > 10 mg/L (EC0) according to OECD 201, Alga Growth Inhibition Test.

12.2. Persistence and degradability

AQUA KEM GREEN	
Persistence and degradability	Aqua Kem Green is > 60 % biodegradable according to OECD 301D, Closed Bottle Test. The surfactant is > 60 % biodegradable according to OECD 301D, Closed Bottle Test (Information of manufacturer regarding Regulation 648/2004/EC). The fragrance is > 60 % biodegradable according to OECD 301D, Closed Bottle Test. The Respiration Inhibition of Aqua Kem Green on Activated Sludge is < 10 % at a dilution of 1/2 of the recommended dosage according to OECD 209, Respiration Inhibition Test. The Nitrification Inhibition of Aqua Kem Green on micro organisms in Activated Sludge is < 10 % at a dilution of 1/2 of the recommended dosage according to EN-ISO 9509, Nitrification Inhibition Test.

12.3. Bioaccumulative potential

AQUA KEM GREEN	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Product residues should be treated as chemical waste in accordance with government regulations. Rinsed packaging may be used for recycling.

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

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

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

IATA

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

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 1 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Date of issue	Modified	
	Revision date	Modified	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Additional information	Removed	
11.1	Potential adverse human health effects and symptoms	Removed	

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed
H318	Causes serious eye damage
ERC8a	Wide dispersive indoor use of processing aids in open systems

PC35	Washing and cleaning products (including solvent based products)
SU21	Consumer uses: Private households (= general public = consumers)

SDS EU (REACH Annex II)

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