

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : AQUA RINSE CONCENTRATED  
 Product code : 30642-TBV  
 Type of product : Flush water additive for portable and 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 : Flush water additive for portable and mobile toilets  
 Function or use category : Cleaning/washing agents and additives, Odour agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Theftord BV  
 Nijverheidsweg 29  
 P.O. Box 169  
 4879 AP Etten-Leur - The Netherlands  
 T +31(0)765042200 - F +31(0)765042300  
[ChemSupport@thetford.eu](mailto:ChemSupport@thetford.eu) - [www.thetford-europe.com](http://www.thetford-europe.com)  
 E-mail address of competent person responsible for the SDS : [sds@thetford.eu](mailto:sds@thetford.eu)

#### 1.4. Emergency telephone number

Emergency number : Theftord 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]

Serious eye damage/eye irritation, Category 2 H319  
 Skin sensitisation, Category 1 H317  
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
 Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
 Hazardous ingredients : METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE  
 Hazard statements (CLP) : H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H412 - Harmful to aquatic life with long lasting effects.  
 Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
 P102 - Keep out of reach of children.  
 P103 - Read label before use.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Child-resistant fastening : Not applicable  
 Tactile warning : Not applicable

#### 2.3. Other hazards

No additional information available

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## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

### 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]
2-BROMO-2-NITROPROPANE-1,3-DIOL	(CAS-No.) 52-51-7 (EC-No.) 200-143-0 (EC Index-No.) 603-085-00-8	1 - 2,5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
CITRIC ACID	(CAS-No.) 77-92-9 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42	1 - 2,5	Eye Irrit. 2, H319
METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE	(CAS-No.) 55965-84-9 (EC-No.) 611-341-5 (EC Index-No.) 613-167-00-5	< 0,1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:gas), H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
3-iodo-2-propynyl butylcarbamate	(CAS-No.) 55406-53-6 (EC-No.) 259-627-5 (EC Index-No.) 616-212-00-7	< 0,1	Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Oral), H302 STOT RE 1, H372 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits: see section 16

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	: Assure fresh air breathing. 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.
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. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

### SECTION 5: Firefighting 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. Special hazards arising from the substance or mixture

No additional information available

#### 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.

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## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

### 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.

##### 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. Avoid release to the environment.

#### 6.3. Methods and material 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.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### 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 : Do not eat, drink or smoke when using this product. 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.

#### 7.3. Specific end use(s)

Aqua Rinse Concentrated is a multifunctional flush-water-tank additive for Porta Potti and other freshwater flush toilets. It also helps to keep the water in the water tank fresh. Aqua Rinse Concentrated leaves a protective film on the surface of the toilet bowl and valves. This results in a more effective flush. Aqua Rinse Concentrated improves the hygiene of your toilet.

### 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:

Wear protective gloves.

##### Eye protection:

Chemical goggles or safety glasses

##### Respiratory protection:

Wear appropriate mask

##### 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 : pink.

Odour : Lavender.

Odour threshold : No data available

pH : 3,75 - 4,25

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : ≈ 0

Boiling point : ≈ 100

Flash point : No data available

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According to Regulation (EU) 2015/830 (REACH Annex II)

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	: 1,028 - 1,038 g/cm <sup>3</sup>
Solubility	: Water: 100 %
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 150 - 250 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 0,009 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

#### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

LD50 oral rat	305 mg/kg
LD50 dermal rat	> 2000 mg/kg

#### CITRIC ACID (77-92-9)

LD50 oral	11700 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

#### METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE (55965-84-9)

LD50 oral	59 mg/kg bodyweight
LD50 dermal	> 75 mg/kg bodyweight

#### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

LD50 oral rat	300 - 500 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0,67 mg/l/4h

Skin corrosion/irritation : Not classified  
pH: 3,75 - 4,25

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

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According to Regulation (EU) 2015/830 (REACH Annex II)

Serious eye damage/irritation	: Causes serious eye irritation. pH: 3,75 - 4,25
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

NOAEL (chronic, oral, animal/male, 2 years)	7 mg/kg bodyweight
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Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water	: Very toxic to aquatic life.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

EC50 72h algae (1)	0,37 mg/l
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### CITRIC ACID (77-92-9)

LC50 fish 1	> 100 mg/l
EC50 other aquatic organisms 1	85 mg/l waterflea

### METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE (55965-84-9)

LC50 fish 1	0,19 mg/l
EC50 Daphnia 1	0,1 mg/l (Daphnia Magna) (OECD 202)
EC50 other aquatic organisms 1	0,126 mg/l waterflea
EC50 other aquatic organisms 2	0,003 mg/l
EC50 72h algae (1)	0,048 mg/l (Oncorhynchus mykiss) (OECD 201)
ErC50 (algae)	0,048 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC chronic fish	0,098 mg/l 28 d (Oncorhynchus mykiss) (OECD 210)
NOEC chronic crustacea	0,004 mg/l 21 d (Daphnia magna) (OECD 211)
NOEC chronic algae	0,0012 mg/l 72 h (Pseudokirchneriella subcapitata) (OECD 201)

### 3-iodo-2-propynyl butylcarbamate (55406-53-6)

LC50 fish 1	0,072 mg/l
EC50 Daphnia 1	0,16 mg/l
ErC50 (algae)	0,053 mg/l

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## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

### 12.2. Persistence and degradability

#### AQUA RINSE CONCENTRATED

Persistence and degradability	Not established. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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#### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

Biodegradation	70 - 80 % OECD 301B Ready Biodegradability, CO2 Evolution Test, 28 days
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#### METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE (55965-84-9)

Biodegradation	> 60 % OECD 301 D Closed-Bottle-Test
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### 12.3. Bioaccumulative potential

#### AQUA RINSE CONCENTRATED

Bioaccumulative potential	Not established.
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#### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

Bioaccumulative potential	Low bioaccumulation potential.
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#### CITRIC ACID (77-92-9)

Log Pow	-1,72
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#### METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE (55965-84-9)

Bioconcentration factor (BCF REACH)	3,6 (calculated)
Log Pow	0,4
Log Kow	-0,71 - 0,75 OECD 107 Log Kow (shake flask method)

### 12.4. Mobility in soil

#### 2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)

Ecology - soil	No data available.
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### 12.5. Results of PBT and vPvB assessment

#### Component

2-BROMO-2-NITROPROPANE-1,3-DIOL (52-51-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
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### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

# AQUA RINSE CONCENTRATED

## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

### 14.4. Packing group

Not regulated				
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### 14.5. Environmental hazards

Not regulated				
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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 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 : 0,009 %

#### 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

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. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 2
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
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 Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B

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## Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH Annex II)

Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Name	Product identifier	Specific concentration limits
METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE	(CAS-No.) 55965-84-9 (EC-No.) 611-341-5 (EC Index-No.) 613-167-00-5	(C >= 0,0015) Skin Sens. 1, H317 ( 0,06 =<C < 0,6) Eye Irrit. 2, H319 ( 0,06 =<C < 0,6) Skin Irrit. 2, H315 (C >= 0,6) Skin Corr. 1B, H314

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*