

Safety Data Sheetaccording to the WHS Regulations
Reference number: 30740

Issue date: 11-4-2022 Revision date: 11-4-2022 Supersedes: 09-9-2020 Version: 1.1

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

Product form : Mixture
Trade name : GREY WATER FRESH CONCENTRATED
Product code : 30740-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 grey-water tank of recreational vehicles
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**

Theftord 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 - www.thetford-europe.com

Distributor

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

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

Importer

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

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

1.5. Emergency phone number

Emergency number : Theftord 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 2	H401
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)

:



Corrosion

Signal word (GHS AU)

: Danger

Contains

: LAURETH-8 (1 – 10 %); bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (1 – 10 %); 1-hydroxy ethylidene-1,1-diphosphonic acid (< 1 %)

Hazard statements (GHS AU)

: H318 - Causes serious eye damage
H401 - Toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

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 protective gloves, face shield, protective clothing.
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)
LAURETH-8	68439-50-9	1 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
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
1-hydroxy ethylidene-1,1-diphosphonic acid	2809-21-4	< 1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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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	: Not expected to require first aid measures. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove contaminated clothing and shoes. Flush with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Seek medical advice. Get medical advice/attention.
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. 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. If swallowed, seek medical advice immediately and show this container or label. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact	: Causes skin irritation.
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. Medical attention and special treatment

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Specific hazards arising from the chemical

Fire hazard	: The product is not flammable.
General measures	: Wear suitable protective clothing. Can be slippery on hard, smooth walking area. Clean spills promptly.
Hazardous decomposition products in case of fire	: In case of fire, product can produce hazardous vapours and fumes.

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	: Self-contained breathing apparatus recommended. Do not enter fire area without proper protective equipment, including respiratory protection.
Hazchem Code	: * 3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

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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. 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 materials 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. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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. 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 : Store at a temperature between 5 °C and 40 °C. Keep away from food, drink and animal feeding stuffs. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask

Personal protective equipment symbol(s)



Other information : Read the instructions for use before handling and dispensing this product. When using, do not eat, drink or smoke. Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Blue
Odour	: marine
Odour threshold	: No data available
pH	: 2,8 – 6
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: 0 °C
Boiling point	: ~ 100 °C
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Density: 1,039 – 1,049 g/ml
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: 175 – 275 mPa.s
Explosive properties	: No data available.
Oxidising properties	: Not known
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: < 0,025 %
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, Grey Water Fresh 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	: See section 7. Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong acids. Strong bases.
Hazardous decomposition products	: According to process conditions, hazardous decomposition products may be generated. Carbon dioxide. Carbon monoxide. fume.

SECTION 11: Toxicological information

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

LAURETH-8 (68439-50-9)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), Guideline: other:Safepharm standard Method Number OECD 39
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1,6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation 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

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1-hydroxy ethylidene-1,1-diphosphonic acid (2809-21-4)	
LD50 oral rat	3130 mg/kg bodyweight Animal: rat, 95% CL: 2660 - 3665
LD50 oral	1440 mg/kg bodyweight
LD50 dermal rabbit	> 10000 mg/kg bodyweight Animal: rabbit
LD50 dermal	> 4764 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: 2,8 – 6
Serious eye damage/irritation	: Causes serious eye damage. pH: 2,8 – 6
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
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LAURETH-8 (68439-50-9)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

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	: Harmful if swallowed.

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

12.1. Ecotoxicity

Ecology - water	: Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Other information	: Avoid release to the environment.

LAURETH-8 (68439-50-9)	
LC50 - Fish [1]	6,4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	1,2 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	1,2 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	1,4 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'

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bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
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'
1-hydroxy ethylidene-1,1-diphosphonic acid (2809-21-4)	
LC50 - Fish [1]	195 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	527 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	527 mg/l waterflea
EC50 - Other aquatic organisms [2]	7,2 mg/l
NOEC (chronic)	6,75 mg/l Test organisms (species): Daphnia magna Duration: '28 d'

12.2. Persistence and degradability

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Persistence and degradability	The surfactant used in this product shows a biodegradability of > 60 % (readily biodegradable), according to OECD 301 D, Closed Bottle Test (Information of manufacturer). The fragrance is > 60 % biodegradable according to OECD 301D, Closed Bottle Test. May cause long-term adverse effects in the environment.
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

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Bioaccumulative potential	Not established.
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
Bioaccumulative potential	Low bioaccumulation potential.
1-hydroxy ethylidene-1,1-diphosphonic acid (2809-21-4)	
Partition coefficient n-octanol/water (Log Pow)	-3,5

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
LAURETH-8 (68439-50-9)	
Fluorinated greenhouse gases	False
bronopol (INN); 2-bromo-2-nitropropane-1,3-diol (52-51-7)	
Fluorinated greenhouse gases	False
1-hydroxy ethylidene-1,1-diphosphonic acid (2809-21-4)	
Fluorinated greenhouse gases	False

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SECTION 13: Disposal considerations

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

ADG	IMDG	IATA
14.1. UN number		
3082	3082	3082
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

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
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Transport by road and rail

UN-No. (ADG)	: 3082
Special provision (ADG)	: 179, 274, 331, 335, 375, AU01
Limited quantities (ADG)	: 5l
Packing instructions (ADG)	: P001, IBC03, LP01
Special packing provisions (ADG)	: PP1
Portable tank and bulk container instructions (ADG)	: T4
Portable tank and bulk container special provisions (ADG)	: TP1, TP29

Transport by sea

UN-No. (IMDG)	: 3082
Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03

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Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

Air transport

UN-No. (IATA) : 3082
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

SECTION 15: Regulatory information

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

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Added	
	Issue date	Modified	
	Revision date	Modified	
1.2	Restrictions on use	Added	
2.1	Classification (GHS AU)	Modified	
2.2	Precautionary statements (GHS AU)	Modified	
2.2	Hazard pictograms (GHS AU)	Modified	
2.2	Hazard statements (GHS AU)	Modified	
3	Composition/information on ingredients	Modified	

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.

Revision date : 11/04/2022

Other information : None.

Classification

Eye Dam. 1 H318

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Classification	
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

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 2	Hazardous to the aquatic environment – Acute Hazard, Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals
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
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful 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.