



SAFETY DATA SHEET DETERGENT GW1

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

1.1. Product identifier

Product name DETERGENT GW1

Product number 13416

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

Identified uses Detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Emergency Contact Number +44 1274 267346
(Office Hours)

Emergency Contact Number +441865 407333
(Outside Office Hours)

Sds No. 13416

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) C; R34

2.2. Label elements

Pictogram



Signal word Danger

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Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with national regulations.
Contains	SULPHONIC ACID C14 - 16 ALKANE HYDROXY AND C14 - 16 ALKENE, SODIUM SALTS (= SODIUM C14-16 OLEFIN SULPHONATE), SODIUM HYDROXIDE, TETRASODIUM EDTA, ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SULPHONIC ACID C14 - 16 ALKANE HYDROXY AND C14 - 16 ALKENE, SODIUM SALTS (= SODIUM C14-16 OLEFIN SULPHONATE)			5-10%
CAS number: 68439-57-6	EC number: 270-407-8	REACH registration number: 01-2119513401-57	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318		Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.	
SODIUM HYDROXIDE			1-5%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318		Classification (67/548/EEC or 1999/45/EC) C; R35	
TETRASODIUM EDTA			1-5%
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318		Classification (67/548/EEC or 1999/45/EC) Xn;R20/22. Xi;R41.	

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ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS			1-5%
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.	
TRISODIUM NITRILOTRIACETATE			<1%
CAS number: 5064-31-3	EC number: 225-768-6	REACH registration number: 01-2119519239-36	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351		Classification (67/548/EEC or 1999/45/EC) Xn;R22. Carc. Cat. 3;R40. Xi;R36.	
GLUTARAL			<0.1%
CAS number: 111-30-8	EC number: 203-856-5		
M factor (Acute) = 1			
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Aquatic Acute 1 - H400		Classification (67/548/EEC or 1999/45/EC) T;R23/25 C;R34 R42/43 N;R50	
FORMALDEHYDE ...%			<0.1%
CAS number: 50-00-0	EC number: 200-001-8		
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	Severe irritation of nose and throat.
Ingestion	Chemical burns.
Skin contact	Chemical burns.
Eye contact	Severe irritation, burning and tearing.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Oxides of the following substances: Carbon. Nitrogen.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

GLUTARAL

Long-term exposure limit (8-hour TWA): WEL 0.05 ppm 0.2 mg/m³

Short-term exposure limit (15-minute): WEL 0.05 ppm 0.2 mg/m³

Sen

FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

WEL = Workplace Exposure Limit

Sen = Capable of causing occupational asthma.

Ingredient comments No exposure limits known for ingredient(s).

SULPHONIC ACID C14 - 16 ALKANE HYDROXY AND C14 - 16 ALKENE, SODIUM SALTS (= SODIUM C14-16 OLEFIN SULPHONATE) (CAS: 68439-57-6)

Ingredient comments No exposure limits known for ingredient(s).

DNEL Industry - Dermal; Short term systemic effects: 2158.33 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 152.2 mg/m³
 Consumer - Dermal; Long term systemic effects: 1295 mg/kg/day
 Consumer - Oral; Long term systemic effects: 12.85 mg/kg/day

PNEC - Marine water; 0.0042 mg/l
 - Soil; 0.0061 mg/kg
 - Sediment (Marinewater); 0.2025 mg/kg
 - Sediment (Freshwater); 2.025 mg/kg
 - Fresh water; 0.042 mg/l
 - STP; 4 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

Ingredient comments WEL = Workplace Exposure Limits

DNEL Consumer - Inhalation; Long term local effects: 1 mg/m³
 Industry - Inhalation; Long term local effects: 1 mg/m³

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

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DNEL Industry - Dermal; Long term systemic effects: 2750 mg/kg/day
Industry - Inhalation; Long term systemic effects: 175 mg/m³
Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day
Consumer - Oral; Long term systemic effects: 15 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 52 mg/m³

PNEC - Fresh water; 0.24 mg/l
- Soil; 0.946 mg/kg
- STP; 10000 mg/l
- Marine water; 0.024 mg/l
- Intermittent release; 0.071 mg/l
- Sediment (Freshwater); 5.45 mg/kg
- Sediment (Marinewater); 0.545 mg/kg

TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)

Ingredient comments No exposure limits known for ingredient(s).

DNEL Workers - Inhalation; Short term systemic effects: 5.25 mg/m³
Workers - Inhalation; Long term systemic effects: 3.5 mg/m³
Consumer - Inhalation; Long term systemic effects: 1.75 mg/m³
Consumer - Inhalation; Long term systemic effects: 0.5 mg/kg/day

PNEC - Fresh water; 0.93 mg/l
- Marine water; 0.093 mg/l
- Intermittent release; 0.915 mg/l
- STP; 540 mg/l
- Sediment (Freshwater); 3.64 mg/kg
- Sediment (Marinewater); 0.364 mg/kg
- Soil; 0.182 mg/kg

GLUTARAL (CAS: 111-30-8)

DNEL Industry - Inhalation; Long term local effects: 0.25 mg/m³

PNEC - Fresh water; 0.0025 mg/l
- Marine water; 0.00025 mg/l
- Intermittent release; 0.006 mg/l
- STP; 0.8 mg/l
- Sediment (Freshwater); 5.27 mg/kg
- Sediment (Marinewater); 0.527 mg/kg
- Soil; 0.03 mg/kg

SODIUM CHLORIDE (CAS: 7647-14-5)

Ingredient comments No exposure limits known for ingredient(s).

FORMALDEHYDE ...% (CAS: 50-00-0)

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DNEL

Industry - Inhalation; Short term local effects: 1 mg/m³
 Industry - Dermal; Long term systemic effects: 240 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 9 mg/m³
 Industry - Inhalation; Long term local effects: 0.5 mg/m³
 Consumer - Dermal; Long term systemic effects: 102 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 3.2 mg/m³
 Consumer - Oral; Long term systemic effects: 4.1 mg/kg/day
 Consumer - Inhalation; Long term local effects: 0.1 mg/m³

PNEC

- Fresh water; 0.47 mg/l
 - Marine water; 0.47 mg/l
 - Intermittent release; 4.7 mg/l
 - Sediment; 2.44 mg/kg
 - Sediment (Marinewater); 2.44 mg/kg
 - Soil; 0.21 mg/kg
 - STP; 0.19 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station and safety shower. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless. to Light (or pale). Yellow.
Odour	Characteristic.
Odour threshold	Not available. Not available.
pH	pH (concentrated solution): 13
Melting point	Not available.
Flash point	Not available.

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Evaporation rate	Not available.
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.052 @ @ 20°C
Solubility(ies)	Not available. Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Oxidising materials.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with acids.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	Not available.
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ATE oral (mg/kg)	89,621.62162162
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Acute toxicity - inhalation

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ATE inhalation (gases ppm) 243,243.24324324

ATE inhalation (vapours mg/l) 594.59459459

ATE inhalation (dusts/mists mg/l) 81.08108108

Skin corrosion/irritation

Extreme pH Not available.

Serious eye damage/irritation

Serious eye damage/irritation Not available.

Respiratory sensitisation

Respiratory sensitisation Not available.

Germ cell mutagenicity

Genotoxicity - in vitro Not available.

Carcinogenicity

Carcinogenicity Not available.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Specific target organ toxicity - single exposure

STOT - single exposure Not available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Aspiration hazard

Aspiration hazard Not available.

Inhalation May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact May cause serious chemical burns to the skin.

Eye contact Causes burns.

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product 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.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

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Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

14.1. UN number

UN No. (ADR/RID) 1824

UN No. (IMDG) 1824

UN No. (ICAO) 1824

14.2. UN proper shipping name

Proper shipping name (ADR/RID) SODIUM HYDROXIDE SOLUTION

Proper shipping name (IMDG) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ICAO) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ADN) SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID label 8

IMDG class 8

ICAO class/division 8

Transport labels



14.4. Packing group

ADR/RID packing group III

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IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

Emergency Action Code 2R

Hazard Identification Number 80
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Dangerous Preparations Directive 1999/45/EC.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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 (as amended).

Guidance Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 01/04/2015

Revision 03

Supersedes date 01/08/2014

SDS number 13416

SDS status Approved.

Signature Mark Dryden

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Risk phrases in full

R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.

Hazard statements in full

H290 May be corrosive to metals.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic 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.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.