Chemisphere UK

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Ultimate
- Product Part Number: W-ULTIM05LPG3

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

- Use of the substance/mixture: Machine glass-washing detergent.
- Use advised against: Use only for the recommended application.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 7-8 Severnside Trading Estate
  Textilose Raod, Trafford Park
  Manchester
  M17 1WA
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Irrit. 2, Eye Dam. 1

2.2 Label elements

GHS05

- Signal Word: Danger

Hazard statements

H314 - Causes severe skin burns and eye damage.

Precautionary statements

Keep out of reach of children
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

SECTION 2: Hazards identification (....)

contact lenses, if present and easy to do. Continue rinsing.
P313 - Get medical advice/attention.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P313 - Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get medical advice/attention if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P101 - If medical advice is needed, have product container or label at hand.

Supplemental Hazard information (EU)

Contains: Potassium Hydroxide
Sodium Metasilicate Pentahydrate

2.3 Hazards identification

GHS05

- Not a PBT according to REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Sodium gluconate

CAS Number:	527-07-1
EC Number:	208-407-7
Concentration:	1 - 5%
Categories:	
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	
H Statements:	

Potassium hydroxide

CAS Number:	1310-58-3
EC Number:	215-181-3
Concentration:	1 - 20%
Categories:	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1
M factor:	

SECTION 3: Composition/information on ingredients (....)

Specific Concentration Limits:	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %
Acute toxicity estimate:	
Symbols:	GHS05;GHS07
H Statements:	H302;H314;H318

Sodium metasilicate pentahydrate

CAS Number:	10213-79-3
EC Number:	229-912-9
Concentration:	<5%
Categories:	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	GHS05;GHS07
H Statements:	H290;H314;H335
REACH Registration Number:	01-2119449811-37

Tetrapotassium Pyrophosphate TKPP

CAS Number:	7320-34-5
EC Number:	230-785-7
Concentration:	1 - 10%
Categories:	Eye Irrit. 2
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	GHS07
H Statements:	H319

Etidronic acid

CAS Number:	2809-21-4
EC Number:	
Concentration:	0.33 - 0.38%
Categories:	Met. Corr. 1, Acute Tox. 4, Eye Dam. 1
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	GHS05
H Statements:	H302;H318;H290

C6 Alkyl glucoside

CAS Number:	54549-24-5

SECTION 3: Composition/information on ingredients (....)

EC Number:	259-217-6
Concentration:	1- 10%
Categories:	Eye Dam. 1
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	GHS05
H Statements:	H318
REACH Registration Number:	01-2119492545-29

2-Ethylhexanol ethoxylate

CAS Number:	26468-86-0
EC Number:	
Concentration:	<5%
Categories:	Eye Irrit. 2
M factor:	
Specific Concentration Limits:	
Acute toxicity estimate:	
Symbols:	
H Statements:	H319

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl and sodium hydroxide

EC Number:	932-051-8
Specific Concentration Limits:	None assigned
Symbols:	GHS05
H Statements:	H318, H315, H412

SECTION 4: First aid measures

4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

Risk of serious damage to eyes
May cause permanent damage if eye is not immediately irrigated.

Ingestion

Causes damage to the digestive tract if swallowed

SECTION 4: First aid measures (....)

Inhalation

Can cause damage to the respiratory system

Contact with skin

Causes severe burns

4.3 Indication of any immediate medical attention and special treatment needed

- If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions

- For large spills:. Do not allow product to enter drains. For small spills:. Flush down the drain with plenty of water.

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe vapour/fumes
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation

SECTION 7: Handling and storage (....)

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Keep only in the original container in a cool, well ventilated place
- Protect from sunlight.

7.3 Specific end use(s)

- Washing drinking glasses in a cabinet glass-washing machine.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Sodium metasilicate pentahydrate

DNEL (Industry; dermal, long term local effects): 1.49 mg/kg/day
DNEL (Industry; inhalational, long term local effects): 6.22 mg/m³
DNEL (oral): 0.74 mg/kg/day

Tetrapotassium Pyrophosphate TKPP

DNEL (Industry; inhalational, long term systemic effects): 2.79 mg/m³
DNEL (Consumer; inhalational, long term systemic effects): 0.68 mg/m³
DNEL (oral): > 70 mg/kg

Etidronic acid

DNEL (oral): 13 mg/kg/day

C6 Alkyl glucoside

DNEL (Industry; inhalational, long term systemic effects): 420 mg/m³
DNEL (Consumer; inhalational, long term systemic effects): 124 mg/m³
DNEL (oral): 35.7 mg/kg
DNEL (Consumer; dermal, long term systemic effects): 357000 mg/kg
DNEL (Industry; dermal, long term systemic effects): 595000 mg/kg

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.


Gloves


Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Odour: Odourless
- pH: >13

SECTION 9: Physical and chemical properties (....)

- Density: 1.13 g/cm³ at 20 °C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with acid

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with aluminium
- Avoid contact with zinc
- Avoid contact with tin

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Estimated LD_{50} (oral) (ATE) : 12547.05 mg/kg
Estimated LD_{50} (dermal) (ATE) : >4000 mg/kg
Estimated LD_{50} (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Polydimethyl siloxane

LD_{50} (oral, rat): 15400 mg/kg
LD_{50} (dermal, rabbit): 2000 mg/kg

Tetrapotassium Pyrophosphate TKPP

LD_{50} (dermal, rabbit): > 2000 mg/kg
LD_{50} (oral, rat): > 2000 mg/kg

SECTION 11: Toxicological information (....)

Etidronic acid

LD_{50} (oral, rat): 1.878 mg/kg
LD_{50} (dermal, rabbit): 6000 mg/kg

C6 Alkyl glucoside

LD_{50} (oral, rat): > 2000 mg/kg
LD_{50} (dermal, rabbit): > 2000 mg/kg

2-Ethylhexanol ethoxylate

LDLo (oral) : > 2000 mg/kg

Skin corrosion/irritation

Causes severe burns

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Corrosive to the respiratory tract.
Harmful if inhaled.
Not available

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

STOT (specific target organ toxicity) - single exposure

Not available

STOT (specific target organ toxicity) - repeated exposure

Not available

Aspiration hazard

Not applicable

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information

12.1 Toxicity

Sodium gluconate

SECTION 12: Ecological information (....)

EC_{50} (daphnia): 5000 mg/l (48 hr)
LC_{50} (fish): 10000 mg/l (96 hr)

Polydimethyl siloxane

EC_{50} (daphnia): 200 mg/l (48 hr)

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

EC_{50} (daphnia): 0.16 mg/l (48 hr)
LC_{50} (fish): 0.19 mg/l (96 hr)

Potassium hydroxide

EC_{50} (daphnia): 40-240 mg/l (48 hr)
LC_{50} (fish): 80 mg/l (96 hr)

Sodium metasilicate pentahydrate

EC_{50} (daphnia): 1700 mg/l (48 hr)
LC_{50} (fish): 210 mg/l (96 hr)

Tetrapotassium Pyrophosphate TKPP

IC_{50} (algae): >100 mg/l (72 hr)
EC_{50} (daphnia): >100 mg/l (48 hr)
LC_{50} (fish): >100 mg/l (96 hr)

Etidronic acid

LC_{50} (fish): 868 mg/l (96 hr)

Etidronic acid

PNEC (Fresh water): 0.136 mg/l
PNEC (Marine water): 0.0136 mg/l

C6 Alkyl glucoside

IC_{50} (algae): >100 mg/l (72 hr)
EC_{50} (daphnia): >100 mg/l (48 hr)
LC_{50} (fish): >100 mg/l (96 hr)

2-Ethylhexanol ethoxylate

IC_{50} (algae): 1-10 mg/l (72 hr)
EC_{50} (daphnia): 1-10 mg/l (48 hr)
LC_{50} (fish): 10-100 mg/l (96 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

SECTION 12: Ecological information (....)

- No information available

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- None known

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

Corrosive

14.1 UN number or ID number

- UN No.: 3266

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: III.

14.5 Environmental hazards

- None assigned

14.6 Special precautions for user

- Contains: Potassium hydroxide

14.7 Emergency Action Code

- 2R

14.8 Sea (IMDG)

- 18. Alkalis

SECTION 14: Transport information (....)

14.9 Maritime transport in bulk according to IMO instruments

- Not applicable

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.

**The information supplied in this Safety Data Sheet is designed only as guidance for the safe use,
storage and handling of the product. This information is correct to the best of our knowledge and
belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.**

--- end of safety datasheet ---