



SAFETY DATA SHEET

Swarfega Powerwash Ultra Concentrate

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name Swarfega Powerwash Ultra Concentrate

Product number PUC25L, PUC84PNR, PUC1000L

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

Identified uses Detergent. For full details regarding recommended uses please refer to the product label.

1.3. Details of the supplier of the safety data sheet

Supplier Deb Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
Main Tel. 01773 855100
Technical Tel 01773 855105
sdsuk@debgroup.com

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
National Poisons Information Centre (Eire) 01-8092566/8379964

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

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

Environmental hazards Not Classified

Environmental The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

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Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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. P310 Immediately call a POISON CENTER/ doctor. P501 Dispose of contents/ container in accordance with national regulations.
Contains	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE, REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE, C9-C11 ALCOHOL ETHOXYLATE (6MEO), SODIUM HYDROXIDE, COCAMINE OXIDE
Detergent labelling	15 - < 30% EDTA and salts thereof, 5 - < 15% amphoteric surfactants, 5 - < 15% non-ionic surfactants, < 5% NTA (nitrilotriacetic acid) and salts thereof, Contains LIMONENE
Supplementary precautionary statements	P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE CAS number: 64-02-8 EC number: 200-573-9 REACH registration number: 01-2119486762-27-XXXX	10-30%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	
REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE CAS number: — EC number: 939-647-7 REACH registration number: 01-2119980672-29-0000	5-10%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
C9-C11 ALCOHOL ETHOXYLATE (6MEO) CAS number: 68439-46-3	1-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	

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SODIUM HYDROXIDE			1-5%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318			

3-C12-14-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide			1-5%
CAS number: 68155-09-9	EC number: 268-938-5		
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 2 - H411			

TRISODIUM NITRILOTRIACETATE			<1%
CAS number: 5064-31-3	EC number: 225-768-6	REACH registration number: 01-2119519239-36-XXXX	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351			

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
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 contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

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Skin contact	May cause serious chemical burns to the skin.
Eye contact	May cause blurred vision and serious eye damage.

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

Notes for the doctor	No specific recommendations.
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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

Hazardous combustion products	None known.
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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.
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6.2. Environmental precautions

Environmental precautions	Avoid or minimise the creation of any environmental contamination.
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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	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place.
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.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

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

WEL = Workplace Exposure Limit

Ingredient comments

EU = Indicative Values according to Commission Directive 91/322/EEC.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL	Professional - Inhalation; Long term systemic effects: 2.5 mg/m ³ Consumer - Inhalation; Short term systemic effects: 1.5 mg/m ³ Professional - Inhalation; Short term local effects: 2.5 mg/m ³ Professional - Inhalation; Short term systemic effects: 2.5 mg/m ³ Consumer - Inhalation; Long term local effects: 1.5 mg/m ³ Consumer - Oral; Long term systemic effects: 28 mg/kg/day Professional - Inhalation; Short term systemic effects: 2.8 mg/m ³ Professional - Inhalation; Long term local effects: 2.5 mg/m ³
PNEC	- STP; 43 mg/l - ; Intermittent release 1.2 mg/l - Marine water; 0.22 mg/l 18.3 C/ 65.0 F - Fresh water; 18.3 C/ 65.0 F 2.2 mg/l - Soil; 0.72 mg/kg

REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE

DNEL	Professional - Dermal; Long term systemic effects: 5.3 mg/kg/day Professional - Inhalation; Long term systemic effects: 3.8 mg/m ³ Consumer - Dermal; Long term systemic effects: 2.7 mg/kg/day Consumer - Inhalation; Long term systemic effects: 0.9 mg/m ³ Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day
PNEC	- Marine water; 0.0003 mg/l - Soil; 0.0041 mg/kg - Fresh water; 0.03 mg/l - Sediment (Freshwater); 0.108 mg/kg - Intermittent release; 0.042 mg/l - STP; 9.9 mg/l - Sediment (Marinewater); 0.0108 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Industry - Inhalation; Long term local effects: 1 mg/m ³ Consumer - Inhalation; Long term local effects: 1 mg/m ³
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3-C12-14-(even numbered)-alkylamido-N,N-dimethylpropan-1-amino oxide (CAS: 68155-09-9)

DNEL	Workers - Inhalation; Long term systemic effects: 15.5 mg/m ³ Workers - Dermal; Long term systemic effects: 11 mg/kg/day Workers - Dermal; Long term local effects: 0.27 % General population - Inhalation; Long term systemic effects: mg/m ³ General population - Dermal; Long term systemic effects: mg/kg/day General population - Dermal; Long term local effects: 0.27 % General population - Oral; Long term systemic effects: 0.44 mg/kg/day
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PNEC

- Fresh water; 3.4 µg/L
- Marine water; 0.34 µg/L
- Intermittent release; 3.4 µg/L
- STP; 6.674 mg/l
- Sediment (Freshwater); 4.85 µg/kg
- Sediment (Marinewater); 0.485 µg/kg
- Soil; 2.18 µg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours.

Eye/face protection

Wear tight-fitting, 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. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Good personal hygiene procedures should be implemented.

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	Red.
Odour	Perfume.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.158-1.178 @ 25°C

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Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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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	None known.
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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. Strong acids.
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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 LD₅₀)	No information available.
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ATE oral (mg/kg)	2,149.61
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Acute toxicity - dermal

Notes (dermal LD₅₀)	18.3 C/ 65.0 F Based on available data the classification criteria are not met.
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Acute toxicity - inhalation

Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
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Skin corrosion/irritation

Animal data	Corrosive.
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Serious eye damage/irritation

Serious eye damage/irritation	Corrosive to skin. Corrosivity to eyes is assumed. No testing is needed.
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Respiratory sensitisation

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Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vivo	Does not contain any substances known to be mutagenic.
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Reproductive toxicity</u>	
Reproductive toxicity - development	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
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 may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
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12.1. Toxicity

Toxicity	The product is not expected to be toxic to aquatic organisms.
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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.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not determined.

12.4. Mobility in soil

Mobility	Mobile.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered. Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1719
UN No. (IMDG)	1719
UN No. (ICAO)	1719
UN No. (ADN)	1719

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
Proper shipping name (IMDG)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
Proper shipping name (ICAO)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)
Proper shipping name (ADN)	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

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Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 3

Emergency Action Code 2R

Hazard Identification Number 80
(ADR/RID)

Tunnel restriction code (E)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations 18.3 C/ 65.0 F

EU legislation

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

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).

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

Guidance

18.3 C/ 65.0 F
18.3 C/ 65.0 F

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Only trained personnel should use this material.

Key literature references and sources for data Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

Revision comments New REACH Annex 2 Compliant MSDS

Revision date 11/01/2018

Revision 7

Supersedes date 25/05/2017

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Hazard statements in full

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.
H351 Suspected of causing cancer.
H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Notes for Hazard Statements in Full

The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.