



SAFETY DATA SHEET

Swarfega Pressure Washer Fluid

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name Swarfega Pressure Washer Fluid
Product number SWPW2LBSFX,SWPW5LB,SWPW5LBSFX

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
 reach@deb.co.uk

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0844 8920111
National emergency telephone number belgium

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Eye Irrit. 2 - H319
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 Warning
Hazard statements H319 Causes serious eye irritation.

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Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
Contains	ALKYLPOLYGLYCOSIDE C10-16
Detergent labelling	< 5% amphoteric surfactants, < 5% non-ionic surfactants, Contains 2-BROMO-2-NITROPROPANE-1,3-DIOL, LIMONENE

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

COCOGLUCOSIDE		1-5%
CAS number: 68515-73-1	EC number: 500-220-1	REACH registration number: 01-2119488530-36-XXXX
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) Xi;R41.	
ALKYLPOLYGLYCOSIDE C10-16		1-5%
CAS number: 110615-47-9		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.	
COCAMINE OXIDE		<1%
CAS number: 68955-55-5	EC number: 931-341-1	REACH registration number: 01-2119489396-21-XXXX
M factor (Acute) = 1		
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R38,R41. N;R50.	

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BRONOPOL (INN)		<1%
CAS number: 52-51-7	EC number: 200-143-0	REACH registration number: 01-2119980938-15-XXXX
M factor (Acute) = 10		
Classification Acute Tox. 4 - H312 Acute Tox. 4 - H302 STOT SE 3 - H335 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R21/22 Xi;R37/38,R41 N;R50	
SODIUM HYDROXIDE		<1%
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	Classification (67/548/EEC or 1999/45/EC) C;R35	

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

Inhalation	Not relevant. Unlikely route of exposure as the product does not contain volatile substances.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse with water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

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.

5.2. Special hazards arising from the substance or mixture

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Hazardous combustion products No known hazardous decomposition products.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in closed original container at temperatures between 0°C and 30°C.

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

WEL = Workplace Exposure Limit

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

COCOGLUCOSIDE (CAS: 68515-73-1)

DNEL

Workers - Inhalation; Long term systemic effects: 420 mg/m³
 Workers - Dermal; Long term systemic effects: 595000 mg/kg/day
 General population - Inhalation; Long term systemic effects: 124 mg/m³
 General population - Dermal; Long term systemic effects: 357000 mg/kg/day
 General population - Oral; Long term systemic effects: 35.7 mg/kg/day

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- PNEC**
- Fresh water; 0.176 mg/l
 - Marine water; 0.0176 mg/l
 - Intermittent release; 0.27 mg/l
 - STP; 560 mg/l
 - Sediment (Freshwater); 1.516 mg/kg
 - Sediment (Marinewater); 0.152 mg/kg
 - Soil; 0.654 mg/kg

COCAMINE OXIDE (CAS: 68955-55-5)

- DNEL**
- Professional - Dermal; Long term systemic effects: 11 mg/kg/day
 - Professional - Inhalation; systemic effects: 15.5 mg/m³
 - Consumer - Dermal; Long term systemic effects: 5.5 ppm
 - Consumer - Inhalation; systemic effects: 3.8 mg/m³
 - Consumer - Oral; Long term systemic effects: 0.44 mg/kg/day
 - Professional - Combined; local effects: 0.045 mg/cm²
 - Consumer - Dermal; local effects: 0.045 mg/cm²

- PNEC**
- Fresh water; 0.0335 mg/kg
 - Marine water; 0.00335 mg/l
 - water; Intermittent release 0.0335 mg/l
 - Soil; 1.02 mg/kg
 - STP; 24 mg/l

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/m³
 - Consumer - Dermal; Long term systemic effects: 2.7 mg/kg/day
 - Consumer - Inhalation; Long term systemic effects: 0.9 mg/m³
 - 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

CITRIC ACID (CAS: 5949-29-1)

- PNEC**
- Fresh water; 0.44 mg/l
 - Marine water; 0.044 mg/l
 - STP; 1000 mg/l
 - Sediment (Freshwater); 34.66 mg/kg
 - Sediment (Marinewater); 3.46 mg/kg
 - Soil; 33.1 mg/kg

BRONOPOL (INN) (CAS: 52-51-7)

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DNEL	Workers - Inhalation; Long term systemic effects: 4.1 mg/m ³
	Workers - Inhalation; Short term systemic effects: 12.3 mg/m ³
	Workers - Inhalation; Long term local effects: 4.2 mg/m ³
	Workers - Inhalation; Short term local effects: 4.2 mg/m ³
	Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day
	Workers - Dermal; Short term systemic effects: 7 mg/kg/day
	Workers - Dermal; Long term local effects: 13 µg/cm ²
	Workers - Dermal; Short term local effects: 13 µg/cm ²
	General population - Inhalation; Long term systemic effects: 1.2 mg/m ³
	General population - Inhalation; Short term systemic effects: 3.7 mg/m ³
	General population - Inhalation; Long term local effects: 1.3 mg/m ³
	General population - Inhalation; Short term local effects: 1.3 mg/m ³
	General population - Dermal; Long term systemic effects: 1.4 mg/kg/day
	General population - Dermal; Short term systemic effects: 4.2 mg/kg/day
	General population - Dermal; Long term local effects: 8 µg/cm ²
	General population - Oral; Long term systemic effects: 0.35 mg/kg/day
General population - Oral; Short term systemic effects: 1.1 mg/kg/day	
PNEC	- Fresh water; 0.01 mg/l
	- Marine water; 0.0008 mg/l
	- Intermittent release; 0.0025 mg/l
	- STP; 0.43 mg/l
	- Sediment (Freshwater); 0.041 mg/kg
	- Sediment (Marinewater); 0.00328 mg/kg
	- Soil; 0.5 mg/kg

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

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

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

8.2. Exposure controls

Appropriate engineering controls

Not relevant.

Eye/face protection

Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.

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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/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash hands after contact.
Respiratory protection	No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Blue.
Odour	Perfume.
Odour threshold	Not determined. Not determined.
pH	pH (concentrated solution): 6.5-7.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Scientifically unjustified.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Scientifically unjustified. : : Scientifically unjustified.
Vapour density	Not determined.
Relative density	0.991-1.011 @ 25°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	300-400 cP @ 25°C
Explosive properties	Scientifically unjustified.
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 Not known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard based on chemical structure.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact May cause temporary eye irritation.

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SECTION 12: Ecological Information

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

12.1. Toxicity

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

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.

Partition coefficient Not applicable.

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 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.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. No specific disposal method required. Reuse or recycle products wherever possible.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

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Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

EU legislation

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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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

SDS amended in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)

Revision date

12/05/2015

Revision

2

Supersedes date

12/05/2015

Risk phrases in full

NC Not classified.
R41 Risk of serious damage to eyes.

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Hazard statements in full

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

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.