

**SAFETY DATA SHEET**

(Regulation (EU) 2020/878 amending the annex II of REACH regulation.)

**Swarfega Power Wash Super TFR**Version 1.0  
Revision Date 13.12.2022Print Date 13.12.2022  
Specification Number: 350000043471**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier** : Swarfega Power Wash Super TFR
- UFI** : FRY3-HODF-X00H-1NN8
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Use of the Substance/Mixture** : Washing and cleaning products (including solvent based products)
- Uses advised against** : None identified
- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Professional GmbH,  
Girmesgath 5,  
47803 Krefeld
- Telephone** : +44 (0) 1773 85510  
+49 (0) 2151 73801827
- E-mail address** : talktous@scj.com
- 1.4 Emergency telephone number** : National Poisons Information Centre (Eire) 01-8092566/8379964

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Skin corrosion	Category 1	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.
Corrosive to metals	Category 1	May be corrosive to metals.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

**Hazard symbols****Signal word**  
Danger

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**Hazard statements**

(H290) May be corrosive to metals.

(H314) Causes severe skin burns and eye damage.

**Precautionary statements**

(P310) Immediately call a POISON CENTER/doctor.

(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.

(P301 + P330 + P331) IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

(P501) Dispose of contents /container in accordance with local regulations.

(P280) Wear protective gloves/ protective clothing/ eye protection/ face protection.

**2.3 Other hazards****: Endocrine Disruptor**

The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

**PBT and vPvB substance**

The mixture does not contain any substances >0.1% that meet the criteria for persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with Annex XIII.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Mixtures****Hazardous components:**

Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
tetrasodium ethylene diamine tetraacetate	64-02-8 / 200-573-9	01-2119486762-27	Acute toxicity Category 4 H302  Serious eye damage Category 1 H318	>= 5.00 - < 10.00	<b><u>ATE:</u></b> <b>Oral</b> = > 1,780 mg/kg Species: Rat
Alcohols, C9-11, ethoxylated (EO = 6)	68439-46-3 /		Acute toxicity Category 4	>= 5.00 - < 10.00	<b><u>ATE:</u></b> <b>Oral</b> = 1,192 mg/kg

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Chemical name	CAS-No./EC-No.	Reg. No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
			H302  Serious eye damage/eye irritation Category 1 H318		Species: Rat
caustic soda	1310-73-2 / 215-185-5	01-2119982981-22	Skin corrosion Category 1A H314  Serious eye damage Category 1 H318	>= 1.00 - < 5.00	<b>ATE :</b> <b>Oral</b> = 325 mg/kg Species: Rat <b>Dermal</b> = 1,350 mg/kg Species: Rabbit  <b>SCL:</b> Skin corrosion H314 >= 5 %  Skin corrosion H314 2 - < 5 %  Skin irritation H315 0.5 - < 2 %  Eye irritation H319 0.5 - < 2 %

**Additional Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

- Inhalation : Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.  
Immediately flush skin with large amounts of water.  
Get medical attention if irritation develops and persists.

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Wash contaminated clothing before re-use.

- Eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
Flush immediately with plenty of water for at least 15 to 20 minutes.  
Get medical attention immediately.
- Ingestion : Rinse mouth with water.  
Get medical attention immediately.  
Never give anything by mouth to an unconscious person.

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

- Eyes : Causes serious eye damage.  
No adverse effects expected when used as directed.
- Skin effect : Causes severe skin burns.  
No adverse effects expected when used as directed.
- Inhalation : May cause respiratory tract irritation.  
No adverse effects expected when used as directed.
- Ingestion : Causes digestive tract burns.

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

See Description of first aid measures unless otherwise stated.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : None identified

- 5.2 Special hazards arising from the substance or mixture** : In case of fire and/or explosion do not breathe fumes.  
Exposure to decomposition products may be a hazard to health.

- 5.3 Advice for firefighters** : In the event of fire, wear self-contained breathing apparatus.  
Wear suitable protective clothing and gloves.  
Refer to current EN or National standard as appropriate.

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- 6.1 Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
- 6.2 Environmental precautions** : Outside of normal use, avoid release to the environment.  
Prevent large amounts of product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
Use appropriate containment to avoid environmental contamination.
- 6.3 Methods and materials for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Clean residue from spill site.  
Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** : For personal protection see section 8.  
For disposal considerations see section 13.

**SECTION 7: HANDLING AND STORAGE**

- 7.1 Precautions for safe handling** : For personal protection see section 8.  
Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any incompatibilities** : Do not freeze.  
Keep out of the reach of children.  
Stable under recommended storage conditions.  
No decomposition if stored and applied as directed.
- 7.3 Specific end use(s)** : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
Washing and cleaning products (including solvent based products)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Occupational Exposure Limit Values**

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
caustic soda	1310-73-2	2 mg/m3			IE_STELS

Refer to current EN or National standard as appropriate.

**8.2 Exposure controls**

- Respiratory protection : No personal respiratory protective equipment normally required.

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Hand protection	: For prolonged or repeated contact use protective gloves. Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
Eye/face protection	: Safety glasses
Skin and body protection	: No special requirements.
Other information	: Wash hands before breaks and at the end of workday.
Environmental Exposure Controls	: Refer to section 6.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	: liquid
Colour	: red
Odour	: characteristic
pH	: > 14
Melting point/freezing point	: 0 °C
Initial boiling point and boiling range	: > 100°C
Flash point	: > 93.4 °C does not flash
Flammability (solid, gas)	: Does not sustain combustion.
Lower flammability or explosive limits	: Not measured as flashpoint >100 °C
Upper flammability or explosive limits	: Not measured as flashpoint >100 °C
Vapour density	: Not measured as flashpoint >100 °C
Relative density	: 1.089 g/cm3 at 20 C
Solubility(ies)	: soluble
Partition coefficient: n-octanol/water	: Not required as the product is a mixture.
Auto-ignition temperature	: Not measured as flashpoint >100 °C

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Decomposition temperature : The substance or mixture is not classified self-reactive.

Viscosity, kinematic : similar to water

Particle Characteristics : Not required as mixture is a liquid

**9.2 Other information**

Other information : Test not applicable for this product type

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity** : No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability** : Stable under recommended storage conditions.

**10.4 Conditions to avoid** : Extremes of temperature and direct sunlight.

**10.5 Incompatible materials** : Do not mix with acids or any other household products. May release dangerous gases (chlorine).

**10.6 Hazardous decomposition products** : No decomposition if stored and applied as directed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Calculated		> 20 mg/l	

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**Acute dermal toxicity**

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

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

Skin sensitisation : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxicity for reproduction : Based on available data, the classification criteria are not met.

STOT - single exposure : Based on available data, the classification criteria are not met.

STOT - repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

Endocrine Disrupting Properties : The mixture does not contain any substances &gt;0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

Other information : None identified

**SECTION 12: ECOLOGICAL INFORMATION****Product** : The product itself has not been tested.**12.1 Toxicity****Toxicity to fish**

Components	End point	Species	Value	Exposure time
tetrasodium ethylene diamine tetraacetate	LC50 static test	Lepomis macrochirus	41 mg/l	96 h
	NOEC	Danio rerio (zebra fish)	> 25.7 mg/l	35 d

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Alcohols, C9-11, ethoxylated (EO = 6)	No data available			
caustic soda	LC50	Fish	35 - 189 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
tetrasodium ethylene diamine tetraacetate	EC50	Daphnia magna (Water flea)	140 mg/l	48 h
	NOEC	Daphnia magna	25 mg/l	21 d
Alcohols, C9-11, ethoxylated (EO = 6)	No data available			
caustic soda	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
tetrasodium ethylene diamine tetraacetate	EC50	Desmodesmus subspicatus	1.01 mg/l	72 h
Alcohols, C9-11, ethoxylated (EO = 6)	No data available			
caustic soda	No data available			

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
tetrasodium ethylene diamine tetraacetate	10 %	28 d	Not readily biodegradable.
Alcohols, C9-11, ethoxylated (EO = 6)	94 %	28 d	Readily biodegradable.
caustic soda	No data available		

**12.3 Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
tetrasodium ethylene diamine	1.8 Measured	-3.86

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tetraacetate		
Alcohols, C9-11, ethoxylated (EO = 6)	No data available	No data available
caustic soda	0.89 estimated	-1.38

**12.4 Mobility in soil**

Component	End point	Value
tetrasodium ethylene diamine tetraacetate	Koc	1046 estimated
Alcohols, C9-11, ethoxylated (EO = 6)	No data available	
caustic soda	No data available	

**12.5 Results of PBT and vPvB assessment**

Component	Results
tetrasodium ethylene diamine tetraacetate	Not fulfilling PBT and vPvB criteria
Alcohols, C9-11, ethoxylated (EO = 6)	Not fulfilling PBT and vPvB criteria
caustic soda	Not fulfilling PBT and vPvB criteria

**12.6 Endocrine Disrupting Properties** : The mixture does not contain any substances >0.1% that are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Disposal should be in accordance with local, state or national legislation.  
Please recycle empty packaging.

Packaging : Do not re-use empty containers.

**SECTION 14: TRANSPORT INFORMATION**

	Land transport	Sea transport	Air transport
14.1 UN number	1719	1719	1719

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<b>14.2 UN proper shipping name</b>	UN 1719 Caustic alkali liquid, N.O.S. (contains Sodium Hydroxide), II	UN 1719 Caustic alkali liquid, N.O.S. (contains Sodium Hydroxide), II	UN 1719 Caustic alkali liquid, N.O.S. (contains Sodium Hydroxide), II
<b>14.3 Transport hazard class(es)</b>	8	8	8
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>			
<b>14.6 Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

: This safety datasheet complies with the requirements of:

Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 (CLP) as amended (not applicable to cosmetics)

Regulation (EC) No. 528/2012 as amended (applicable to biocidal products)

Directive (EEC) No. 75/324 as amended (applicable to aerosols)

Regulation (EC) No. 1223/2009 amended (applicable to cosmetic products)

Regulation (EC) No. 684/2001 The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No.648/2004 for detergents (applicable to detergents).

Directive (EC) No. 2001/95/EC - General Product Safety Directive

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Directive 2012/18/EU Seveso

Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

SZW list of carcinogenic, mutagenic and reproductively toxic substances

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**15.2 Chemical safety assessment** : 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

**SECTION 16: OTHER INFORMATION**

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

**Key abbreviations or acronyms used**

EC - European Community  
EEC – European Economic Community  
CLP – Classification Labelling & Packaging  
EN – European Standard or European Norm  
PBT – Persistent, Bioaccumulative & Toxic  
vPvB – very persistent, very bioaccumulative  
UN – United Nations

**Evaluation methods**

Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

**Full text of H-Statements**

H302	Harmful if swallowed.
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.