



**SAFETY DATA SHEET**  
according to Regulation (EU) 2015/830

**PHS Citrus Degreaser**

Revision: 1  
Revision date: 06/05/2020

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

**1.1 Product identifier**

<b>Product name</b>	PHS Citrus Degreaser
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**1.2 Relevant identified uses of the substance or mixture and uses advised against**

<b>Product Use</b>	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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**1.3 Details of the supplier of the safety data sheet**

<b>Company Address</b>	Personnel Hygiene Services Ltd Block B, Western Industrial Estate, Caerphilly CF83 1XH United Kingdom
<b>Web</b>	<a href="http://www.phsdirect.co.uk">www.phsdirect.co.uk</a>
<b>Telephone</b>	02920 809098
<b>Email:</b>	<a href="mailto:www.phsdirect.co.uk/contact-us">www.phsdirect.co.uk/contact-us</a>

**1.4 Emergency telephone number**


<b>Emergency telephone number</b>	02920 809098 Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9 Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals)
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>2.1.2 Classification - EC 1272/2008</b>	Skin Corr. 1A: H314; Aquatic Chronic 3: H412;
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**2.2 Label elements**

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	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/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/ . P363 - Wash contaminated clothing before reuse.
<b>Precautionary Statement Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
<b>Further information</b>	Contains:.. disodium metasilcate.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

EC 1272/2008

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Sodium alkylbenzenesulphonate		90194-45-9	290-656-6	01-2119490234-40	1-10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318;
Orange terpenes		8028-48-6	232-433-8	01-2119493353-35	1-10%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens.1: H317; Aquatic Chronic 1: H410;
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9	01-2119449811-37	1-10%	Skin Corr. 1B: H314; STOT SE 3: H335
Alcohols, C12-14 (Even numbered), ethoxylated (*R01)		68002-97-1			1-10%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>Inhalation</b>	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.
<b>Skin contact</b>	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

<b>Inhalation</b>	Irritant, Severe respiratory.
<b>Eye contact</b>	Causes severe burns.
<b>Skin contact</b>	Causes severe burns.
<b>Ingestion</b>	Causes severe burns.

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

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

	Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam.
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**5.2 Special hazards arising from the substance or mixture**

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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**5.3 Advice for firefighters**

	Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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**6.2 Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
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**6.3 Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**6.4 Reference to other sections**

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
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### 7.2 Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.
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### 7.3 Specific end use(s)

	No specific advice for end use available.
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## SECTION 8: Exposure controls/personal protection

DNEL: Derived no-effect level.



### Exposure Pattern - Workers

Orange terpenes	Inhalation (repeated dose)	31.1 mg/m <sup>3</sup>
	Dermal (repeated dose)	8.89 mg/kg bw/day
	Dermal	185.8 µg/cm <sup>2</sup>
Disodium metasilicate	Long-term - inhalation - Systemic effects	6.22 mg/m <sup>3</sup>
	Long-term - dermal - Systemic effects	1.49 mg/kg

### Exposure Pattern - General population

Orange terpenes	Inhalation (repeated dose)	7.78 mg/m <sup>3</sup>
	Dermal (repeated dose)	4.44 mg/kg bw/day
	Oral (repeated dose)	4.44 mg/kg bw/day
Disodium metasilicate	Long-term - inhalation - Systemic effects	1.55 mg/m <sup>3</sup>
	Long-term - dermal - Systemic effects	0.74 mg/kg
	Long-term - oral - Systemic effects	0.74 mg/kg

## 8.2 Exposure controls

<b>8.2.1 Appropriate engineering controls</b> <b>8.2.2 Individual protection measures</b> <b>Eye / face protection</b> <b>Skin protection -</b> <b>Hand protection</b> <b>Respiratory protection</b>	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands after handling the product.
	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Safety glasses. (EN166)
	Chemical resistant gloves (PVC). (EN 374)
Not normally required. Do not breathe gas/fumes/vapour/spray.	

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Orange
<b>Odour</b>	Characteristic
<b>pH</b>	>11.5
<b>Melting point</b>	Not determined
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not determined

<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable to liquids
<b>Fat Solubility</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Viscosity</b>	<100 cp @20°C
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidising
<b>Solubility</b>	Soluble in water
<b>Vapour pressure</b>	Not determined

## 9.2 Other information

<b>Conductivity</b>	Not determined
<b>Surface tension</b>	Not determined
<b>Specific gravity</b>	1.01 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.
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### 10.2 Chemical stability

	Stable under normal conditions.
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### 10.3 Possibility of hazardous reactions

	No other adverse effects known.
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### 10.4 Conditions to avoid

	Avoid contact with: Acids.
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Skin corrosion/irritation</b>	Causes burns.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No observed effect level.

#### 11.1.4 Toxicological Information

<b>Sodium alkylbenzenesulphonate</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: >2000 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA
<b>Orange terpenes</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 4400 mg/kg Dermal Rabbit LD50: >2000 mg/kg	
<b>Disodium metasilicate</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 847 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50 NDA Dermal Guinea Pig LD50: NDA
<b>Alcohols, C12-14 (Even numbered), ethoxylated (*R01)</b>	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 100 mg/kg Dermal Rabbit LD50: 2,000 mg/kg	Dermal Rat LD50 NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50 NDA

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Sodium alkylbenzenesulphonate</b>	Algae IC50/72h: NDA Fish LC50/96h: NDA Daphnia EC50/48h: NDA
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<b>Orange terpenes</b>	Algae EC50/72h: NDA Guppy LC50/96h: 5.65 mg/l Daphnia LC50/48h: NDA
<b>Disodium metasilicate</b>	Algae EC50/72h: NDA Guppy LC50/96h: NDA Daphnia LC50/48h: NDA
<b>Alcohols, C12-14 (Even numbered), ethoxylated (*R01)</b>	Daphnia EC50/48h: NDA Fish LC50/96h: NDA Algae IC50/72h: NDA

**12.2 Persistence and degradability**

No data is available on this product.

**12.3 Bioaccumulative potential**

No data is available on this product.

**Partition coefficient**

No data is available on this product.

**12.4 Mobility in soil**

No data is available on this product.

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations**

**General information**

Dispose of in compliance with all local and national regulations.

**Disposal of packaging**

Dispose of in compliance with all local and national regulations.  
Empty containers can be cleaned with water.

**Further information**

European Waste Catalogue: 20 01 15 alkalines.

**SECTION 14: Transport information**

**Hazard pictograms**



**14.1 UN number**

UN1719

**14.2 UN proper shipping name**

CAUSTIC ALKALI LIQUID, N.O.S. ((DISODIUM TRIOXOSILICATE))

**14.3 Transport hazard class(es)**

<b>ADR/RID</b>	8
<b>Subsidiary risk</b>	-
<b>IMDG</b>	8
<b>Subsidiary risk</b>	-
<b>IATA</b>	8
<b>Subsidiary risk</b>	-

**14.4 Packing group**

Packing group III

**14.5 Environmental hazards**

<b>Environmental hazards</b>	No
<b>Marine pollutant</b>	No

**ADR/RID**

Hazard ID	80
Tunnel Category	E

**IMDG**

EmS Code	F-A-S-B
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**IATA**

Packing Instruction (Cargo)	856
Maximum quantity	60L
Packing Instruction (Passenger)	852
Maximum quantity	5L

**SECTION 15: Regulatory information**

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

	<p>EU regulations:</p> <ul style="list-style-type: none"> <li>• Regulation(EC)No.1907/2006 - REACH</li> <li>• Regulation(EC)No1272/2008 - CLP</li> <li>• Regulation(EC)No.648/2004 - Detergents regulation</li> </ul> <p>Ingredients according to EC Detergents Regulation 648/2004</p> <p>Less than 5%: Amphoteric Surfactants, Anionic Surfactants, Non ionic surfactants</p>
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**15.2 Chemical safety assessment**

	A chemical safety assessment has not been carried out on the mixture.
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**SECTION 16: Other information**

**Other information**

<p><b>Revision</b></p> <p><b>Acronyms</b></p> <p><b>Text of Hazard Statements in Section 3</b></p>	<p>This document differs from the previous version in the following areas:</p> <p>Changes to sections 1, 3, 8, 9, 11, 12, 15</p> <p>LC: Lethal concentration.  LD: Lethal dose.  NDA - No data available.  NOAEC: No observed adverse effect concentration.  NOAEL: No observed adverse effect level.  NOEC: No observed effect concentration.  NOEL: No observed effect level.  PBT: Persistent, bioaccumulative and toxic.  SVHC. Substance of very high concern.  vPvB. Very persistent and very bioaccumulative.  *R01 - Polymer REACH number not available.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.  Acute Tox. 4: H302 - Harmful if swallowed.  Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  Skin Irrit. 2: H315 - Causes skin irritation.  Skin Sens.1: H317 - May cause an allergic skin reaction.  Eye Dam. 1: H318 - Causes serious eye damage.  STOT SE 3: H335 - May cause respiratory irritation.  Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
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**Further information**

	<p>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.</p> <p>Internal ref: F000167</p>
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