

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

Tap & Shower Head Descaler (HYC155)

Revision: 1
Revision date: 07/05/2021

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

1.1 Product identifier

Product name	Tap & Shower Head Descaler (HYC155)
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use	[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

Company Address	Enveloped Design Solutions Ltd Piksa House, 2 Penrod way, Heysham LA3 2UZ United Kingdom
Web	www.edsltd.uk
Telephone	01524 387655
Email:	info@edsltd.uk

1.4 Emergency telephone number


Emergency telephone number	028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept.
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.2 Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
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2.2 Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . 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.

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
Orthophosphoric acid	015-011-00-6	7664-38-2	231-633-2	01-2119485924-00	10-20%	Skin Corr. 1B: H314;

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Irritating to eyes
Skin contact	Irritating to skin.
Ingestion	Irritant.

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 extinguishing media appropriate to the surrounding fire conditions.
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5.2 Special hazards arising from the substance or mixture

	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. 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. Sweep up. 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

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

Orthophosphoric acid	WEL 8-hr limit mg/m ³ : 1 WEL 15 min limit mg/m ³ : 2
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8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

Orthophosphoric acid	Occupational Exposure Limit Value (8-hour reference period)	1 mg/m ³
	Occupational Exposure Limit Value (15-minute reference period)	2 mg/m ³

DNEL: Derived no-effect level.



Exposure Pattern - Workers

Orthophosphoric acid	Long-term - inhalation - Local effects	2.92 mg/m ³
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Exposure Pattern - General population

Orthophosphoric acid	Long-term - inhalation - Local effects	0.73 mg/m ³
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8.2 Exposure controls

	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Wash hands after handling the product.
8.2.1 Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2 Individual protection measures	Use appropriate personal protective equipment.
Eye / face protection	Safety glasses. (EN166)
Skin protection - Hand protection	Chemical resistant gloves (PVC). (EN 374)
Respiratory protection	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**

Appearance	Liquid
Colour	Yellow
Odour	Characteristic
pH	<3.0
Melting point	Not determined
Freezing Point	Not determined
Initial boiling point	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable to liquids
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not determined
Viscosity	<100 cp @20°C
Explosive properties	Not explosive
Oxidising properties	Not oxidising
Solubility	Soluble in water
Vapour pressure	Not determined

9.2 Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	1.1 g/cm ³

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: Alkalis.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Skin corrosion/irritation	Irritating to eyes and skin.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.

Reproductive toxicity	No observed effect level.
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11.1.4 Toxicological Information

Orthophosphoric acid	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1 Toxicity

Orthophosphoric acid	Algae EC50/72h: NDA
	Guppy LC50/96h: NDA
	Daphnia LC50/48h: NDA

12.2 Persistence and degradability

	No data is available on this product.
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12.3 Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	No data is available on this product.
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12.4 Mobility in soil

	No data is available on this product.
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12.5 Results of PBT and vPvB assessment

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

	No other adverse effects known.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

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

	European Waste Catalogue: 20 01 29.
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SECTION 14: Transport information

14.1 UN number

	The product is not classified as dangerous for carriage.
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14.2 UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3 Transport hazard class(es)

ADR/RID	The product is not classified as dangerous for carriage.
Subsidiary risk	-
IMDG	The product is not classified as dangerous for carriage.
Subsidiary risk	-
IATA	The product is not classified as dangerous for carriage.
Subsidiary risk	-

14.4 Packing group

Packing group	The product is not classified as dangerous for carriage.
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14.5 Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	-

IMDG

EmS Code	-
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IATA

Packing Instruction (Cargo)	-
Maximum quantity	-
Packing Instruction	-

(Passenger) Maximum quantity	-
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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"> • Regulation(EC)No.1907/2006 - REACH • Regulation(EC)No1272/2008 - CLP • Regulation(EC)No.648/2004 - Detergents regulation <p>Ingredients according to EC Detergents Regulation 648/2004 Phosphonates 0% - < 5%</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

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>Changes to sections: NEW</p> <p>LC: Lethal concentration.</p> <p>LD: Lethal dose.</p> <p>NDA - No data available.</p> <p>NOAEC: No observed adverse effect concentration.</p> <p>NOAEL: No observed adverse effect level.</p> <p>NOEC: No observed effect concentration.</p> <p>NOEL: No observed effect level.</p> <p>PBT: Persistent, bioaccumulative and toxic.</p> <p>SVHC. Substance of very high concern.</p> <p>vPvB. Very persistent and very bioaccumulative.</p> <p>*R01 - Polymer REACH number not available.</p>
Acronyms	
Text of Hazard Statements in Section 3	
	<p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p>

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: F000065</p>
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