

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


Tile & Grout Cleaner (HYH311)

Revision: 1
Revision date: 07/05/2021

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

1.1 Product identifier	SH-BPF-335
Product name	Tile & Grout Cleaner (HYH311)
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);
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.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture	
2.1.2 Classification - EC 1272/2008	EUH206: H290: Skin Irrit. 2: H315: Eye Dam. 1: H318: Aquatic Acute 1: H400: Aquatic Chronic 2: H411:
2.2 Label elements	
Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine). H290 - May be corrosive to metals. Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P234 -Keep only in original container. P273 -Avoid release to the environment. P280 -Wear protective gloves and eye/face protection.
Precautionary Statement: Response	P310 -Immediately call a POISON CENTER or doctor/physician. P390 -Absorb spillage to prevent material damage. P391 -Collect spillage. P302+P352 -IF ON SKIN: Wash with plenty of soap and 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.
Precautionary Statement: Disposal	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.

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 hypochlorite, solution	017-011-00-1	7681-52-9	231-668-3	01-2119488154-34	1-10%	EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Amines, C12-14 (even numbered) - alkyldimethyl, N-oxides			931-292-6	01-2119490061-47	0-0.5%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400;

Active substance(s). Sodium hypochlorite. 2.6g/100g.

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	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/ .
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	Causes serious eye damage.
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**Exposure Pattern - Workers**

Sodium hypochlorite, solution	Acute inhalation - Systemic effects	3.1 mg/m ³
	Acute inhalation - Local effects	3.1 mg/m ³
	Long-term - dermal - Systemic effects	1.55 mg/m ³
	Long-term - inhalation - Local effects	1.55 mg/m ³
	Long-term - dermal - Local effects	0.55 mg/m ³

Exposure Pattern - General population

Sodium hypochlorite, solution	Acute inhalation - Systemic effects	3.1 mg/m ³
	Acute inhalation - Local effects	3.1 mg/m ³
	Long-term - dermal - Systemic effects	1.55 mg/m ³
	Long-term - oral - Systemic effects	0.25 mg/m ³
	Long-term - inhalation - Local effects	1.55 mg/m ³
Long-term - dermal - Local effects	0.55 mg/m ³	

8.2 Exposure controls

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

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
pH	>11.5
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	<100cp @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	1.04 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: Acids.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Skin corrosion/irritation	Irritating to skin. Causes serious eye damage.
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Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4 Toxicological Information

Sodium hypochlorite, solution	Inhalation Rat LC50/15min: >10.5mg/l	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50 2900 - 3400 mg/l
	Dermal Rabbit LD50: >2000 mg/l	Dermal Guinea Pig LD50: NDA
Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 1064 mg/kg	Oral Mouse LD50 NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1 Toxicity

Sodium hypochlorite, solution	Fish LC50/96h: 0.62 mg/l
	Green Algae EC50/24h: 28 mg/l
	Daphnia LC50/96h: 2.1 mg/l
Amines, C12-14 (even numbered) -alkyldimethyl, N-oxides	Daphnia EC50/48h: 3.1000 mg/l
	Fish LC50/96h: 2.6700 mg/l
	Algae EC50/72h: 0.1430 mg/l

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

Hazard pictograms

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14.1 UN number

	UN3082
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14.2 UN proper shipping name

	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
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14.3 Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-

IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

14.4 Packing group

Packing group	III
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14.5 Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	90
Tunnel Category	E

IMDG

EmS Code	F-A-S-F
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IATA

Packing Instruction (Cargo)	964
Maximum quantity	450L
Packing Instruction (Passenger)	964
Maximum quantity	450L

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 Less than 5%: Chlorine based bleaching agents, Non ionic surfactants Other ingredients: Perfume</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	This document differs from the previous version in the following areas:
Acronyms	<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>
Text of Hazard Statements in Section 3	<p>EUH031 - Contact with acids liberates toxic gas.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</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: F000070</p>
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