



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

Zenith 6S Toilet Renovator (072300, 9000003)

Revision: 6
Revision date: 17/09/2018

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

1.1 Product identifier	
Product name	Zenith 6S Toilet Renovator (072300, 9000003)
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	Zenith Hygiene Group A1M Business Centre Dixons Hill Road Welham Green Herts AL9 7JE United Kingdom
Web	www.zhgplc.com
Telephone	01707 270260
Email:	helpdesk@zhgplc.com
1.4 Emergency telephone number	
Emergency telephone number	028 9267 3331 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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture	
2.1.2 Classification - EC 1272/2008	Skin Corr. 1B: H314;
2.2 Label elements	
Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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.
Precautionary Statement Storage	P405 - Store locked up.
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.
Further information	
	Contains: hydrochloric acid.

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
Hydrochloric acid	017-002-01	7647-01-0	231-595-7	01-2119484862-27	1-10%	Skin Corr. 1B: H314; STOT SE 3: H335;
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)		8030-78-2	232-447-4		1-10%	Flam. Liq. 2: H225; Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H336; Aquatic Acute 1: H400;

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

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	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

Inhalation	Irritant, Severe respiratory.
Eye contact	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	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 (CO2), 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

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

Hydrochloric acid	WEL 8-hr limit mg/m3: 2
	WEL 8-hr limit ppm: 1
	WEL 15 min limit mg/m3: 8
	WEL 15 min limit ppm: 5

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

Hydrochloric acid	Occupational Exposure Limit Value (8-hour reference period)	5 ppm 8 mg/m3
	Occupational Exposure Limit Value (15-minute reference period)	10 ppm 15 mg/m3

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic	3.32 mg/m ³
	Long-term - dermal - Systemic	4.7 mg/kg

Exposure Pattern - General population

Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic	0.98 mg/m ³
	Long-term - dermal - Systemic	2.83 mg/kg
	Long-term - oral - Systemic effects	2.83 mg/kg

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. 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

Appearance	Liquid
Colour	Blue
Odour	Characteristic
pH	<1.5
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	400 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 1.03 g/cm³

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No other adverse effects known.

10.4 Conditions to avoid

Avoid contact with: Alkalis, Chlorine-based bleaching agents

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Skin corrosion/irritation Causes burns.

Germ cell mutagenicity No mutagenic effects reported.

Carcinogenicity No carcinogenic effects reported.

Reproductive toxicity No observed effect level.

11.1.4 Toxicological Information

Hydrochloric acid	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50 NDA
	Oral Rat LD50: 900 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: > 5010 mg/kg	Dermal Guinea Pig LD50 NDA
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 1260 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1 Toxicity

Hydrochloric acid	Daphnia EC50/48h: 0.4920 mg/l
	Lepomis_Macrochirus LC50/96h: 24.6 mg/l
	Algae IC50/72h: 0.78 mg/l
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Algae EC50/72h: NDA
	Guppy LC50/96h: NDA
	Daphnia LC50/48h: 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 14 acids.

SECTION 14: Transport information**Hazard pictograms****14.1 UN number**

UN1789

14.2 UN proper shipping name

HYDROCHLORIC ACID

14.3 Transport hazard class(es)**ADR/RID** 8**Subsidiary risk** -**IMDG** 8**Subsidiary risk** -**IATA** 8**Subsidiary risk** -**14.4 Packing group****Packing group** III**14.5 Environmental hazards****Environmental hazards** No**Marine pollutant** No**ADR/RID****Hazard ID** 80**Tunnel Category** E**IMDG****EmS Code** F-A-S-B**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**

EU regulations:

- Regulation(EC)No.1907/2006 - REACH
- Regulation(EC)No1272/2008 - CLP
- Regulation(EC)No.648/2004 - Detergents regulation

Ingredients according to EC Detergents Regulation 648/2004
 Less than 5%: Amphoteric Surfactants

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas:
Acronyms	Changes to sections 1, 3, 8, 9, 11, 12, 15 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.
Text of Hazard Statements in Section 3	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation

Further information

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.

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