

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Zenith 10XS One Shot Washroom Cleaner (095700)

Revision 4
Revision date 2013-06-03

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

1.1. Product Identifier

Product name	Zenith 10XS One Shot Washroom Cleaner (095700)
Product code	YELLOW

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	Zenith Hygiene Group plc
Address	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
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/38 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes and skin.

2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC. Xi: Irritant. 
Risk phrases	R36/38 - Irritating to eyes and skin.
Safety phrases	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Alcohols, C12-13- branched and linear, ethoxylated (*R01)		160901-19-9			1 - 10%	Xn; R22 Xi; R41
Citric acid		5949-29-1	201-069-1	01-2119457026-42	1 - 10%	Xi; R36
C10-C16 alkyl dimethyl benzyl ammonium chloride (*R01)		68424-85-1	270-325-2		1 - 10%	C; R34 Xn; R22 N; R50
Acetic acid ...% (Acetic acid)	607-002-00-6	64-19-7	200-580-7	01-2119475328-30	1 - 10%	R10 C; R35
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)		34590-94-8	252-104-2	01-2119450011-60	1 - 10%	

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.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1. Exposure Limit Values**

Acetic acid ...% (Acetic acid)	DIR: 91/322	8hTWA ppm: 10
	8hTWA mg/m ³ : 25	STEL ppm: -
	STEL mg/m ³ : -	NOT: -
Di Methoxy Propanol (2-methoxymethylethoxy) propanol)	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m ³ : 308
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : -

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.

Skin protection -

Chemical resistant gloves (PVC).

Handprotection**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**

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9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Orange
Odour	Characteristic
pH	< 4
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	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

	Avoid contact with: Alkalis. Avoid contact with: Chlorine-based bleaching agents.
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10.4. Conditions to avoid

	None.
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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.

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

C10-C16 alkyl dimethyl benzyl ammonium chloride (*R01)	Inhalation Rat LC50/15min: NDA	Inhalation Rat LC50/30min: NDA
	Dermal Rat LD50: 800-1420 mg/kg	Oral Rat LD50: 240-400mg/kg
	Oral Mouse LD50: NDA	Dermal Rabbit LD50: NDA
	Dermal Guinea Pig LD50: NDA	
Acetic acid ...%	Inhalation Rat LC50/4 h: 40000 mg/m3	Dermal Rat LD50: NDA
	Oral Rat LD50: 3310 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA
Alcohols, C12-13- branched and linear, ethoxylated (*R01)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 300 - 2,000 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: 2,000 mg/kg	Dermal Guinea Pig LD50: NDA
Citric acid	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 3000 mg/kg	Oral Mouse LD50: 5400 mg/kg
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1. Toxicity

C10-C16 alkyl dimethyl benzyl ammonium chloride (*R01)	Daphnia EC50/48h: 0.0200 mg/l	Fish LC50/96h: 1.2000 mg/l
	Green algae EC50/96h: 0.06mg/l	Daphnia LC50/48h: 0.02mg/l
Acetic acid ...%	Daphnia EC50/48h: 1000.0000 mg/l	Algae IC50/72h: 55.2200 mg/l
	Fish LC50/96h: 1000.0000 mg/l	
Alcohols, C12-13- branched and linear, ethoxylated (*R01)	Daphnia EC50/48h: 10.0000 mg/l	Algae IC50/72h: 10.0000 mg/l
	Fish LC50/96h: 10.0000 mg/l	
Citric acid	Fish LC50/96h: 760.0000 mg/l	Algae EC50/120h: 640 mg/l (Scenedesmus quadricauda (Green algae); 168 h)
	Daphnia LC50/96h: 120 mg/l (72 h)	

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

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

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Further information

European Waste Catalogue: 20 01 29.

SECTION 14: Transport information

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Ingredients according to EC Detergent regulations shown in section 16 if applicable.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Other information

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.
 vPvB. Very persistent and very bioaccumulative.
 *R01 - Polymer REACH number not available.

Revision

This document differs from the previous version in the following areas:

- 9 - 9.1. Information on basic physical and chemical properties (State).
- 9 - 9.1. Information on basic physical and chemical properties (Colour).
- 9 - 9.1. Information on basic physical and chemical properties (Odour).
- 9 - 9.1. Information on basic physical and chemical properties (PH).
- 9 - 9.1. Information on basic physical and chemical properties (Boiling point).
- 9 - 9.1. Information on basic physical and chemical properties (Melting point).
- 9 - 9.1. Information on basic physical and chemical properties (Flash point).
- 9 - 9.1. Information on basic physical and chemical properties (Flammability limits).
- 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
- 9 - 9.1. Information on basic physical and chemical properties (Explosive).
- 9 - 9.1. Information on basic physical and chemical properties (Oxidising).
- 9 - 9.1. Information on basic physical and chemical properties (Viscosity).
- 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).
- 9 - 9.1. Information on basic physical and chemical properties (Freezing Point).
- 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).
- 9 - 9.1. Information on basic physical and chemical properties (Solubility).
- 9 - 9.2. Other information (Conductivity).
- 9 - 9.2. Other information (Partition coefficient).
- 9 - 9.2. Other information (Surface tension).
- 9 - 9.2. Other information (Specific gravity).

15 - Safety phrases.

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Other information

Text of risk phrases in Section 3

R10 - Flammable
R22 - Harmful if swallowed.
R34 - Causes burns.
R35 - Causes severe burns.
R36 - Irritating to eyes.
R41 - Risk of serious damage to eyes.
R50 - Very toxic to aquatic organisms.

Labelling for contents

non-ionic surfactants 5% - < 15%
cationic surfactants 0% - < 5%
Perfumes 0% - < 5%
phosphonates 0% - < 5%

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.