



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/8

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

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

#### 1.1. Product identifier

Product name	Zenith 5XD One Shot Concentrated Degreaser (098200)
--------------	---

#### 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	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
----------------------------	---------------

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xi; R38-41 Symbols: Xi: Irritant.
Main hazards	Irritating to skin. Risk of serious damage to eyes.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1A: 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

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## 2.2. Label elements

<b>Precautionary Statement:</b> <b>Disposal</b>	lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P363 - Wash contaminated clothing before reuse.
	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: 2-aminoethanol.
--	---------------------------

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)		8051-30-7	931-329-6	01-2119490100-53	1 - 10%	Xi; R38-41	
2-Aminoethanol		141-43-5	205-483-3	01-2119486455-28	1 - 10%	C; R34 Xn; R20/21/22 Xi; R37 R52/53	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	270-407-8	01-2119513401-57	1 - 10%	Xi; R38-41	
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)		34590-94-8	252-104-2	01-2119450011-60	1 - 10%		
tetrasodium (1-hydroxyethylidene)bisphosphonate		3794-83-0	223-267-7	01-2119647955-23	1 - 10%	Xi; R36/38	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)		8051-30-7	931-329-6	01-2119490100-53	1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	
2-Aminoethanol		141-43-5	205-483-3	01-2119486455-28	1 - 10%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Corr. 1B: H314; Acute Tox. 4: H332; STOT SE 3: H335; Aquatic Chronic 3: H412;	
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts		68439-57-6	270-407-8	01-2119513401-57	1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;	
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)		34590-94-8	252-104-2	01-2119450011-60	1 - 10%		
tetrasodium (1-hydroxyethylidene)bisphosphonate		3794-83-0	223-267-7	01-2119647955-23	1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	

## 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

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

**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.
--	--

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
--	---

**5.2. Special hazards arising from the substance or mixture**

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
--	--

**5.3. Advice for firefighters**

	Wear suitable respiratory equipment when necessary.
--	---

**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.
--	---

**6.2. Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

**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.
--	---

**6.4. Reference to other sections**

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
--	---

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
--	--

**7.2. Conditions for safe storage, including any incompatibilities**

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
--	--

**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**

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## 8.1.1. Exposure Limit Values

2-Aminoethanol	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 2.5
	WEL 15 min limit ppm: 3	WEL 15 min limit mg/m3: 7.6
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Di Methoxy Propanol ((2-methoxymethylethoxy) propanol)	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 308
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.



## Exposure Pattern - Workers

2-Aminoethanol	Long-term - inhalation - Systemic effects	3.3 mg/m <sup>3</sup>	
	Long-term - inhalation - Local effects	3.3 mg/m <sup>3</sup>	Long-term - oral - Systemic effects 1 mg/kg

## Exposure Pattern - General population

2-Aminoethanol	Long-term - inhalation - Systemic effects	2 mg/m <sup>3</sup>	
	Long-term - inhalation - Local effects	2 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects 0.24 mg/kg
	Long-term - oral - Systemic effects	3.75 mg/kg	

## 8.2. Exposure controls

<div>   </div>	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.	
	8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
	8.2.2. Individual protection measures	Wear chemical protective clothing.
	Eye / face protection	Safety glasses.
	Skin protection - Handprotection	Chemical resistant gloves (PVC).
	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

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow
<b>Odour</b>	Characteristic
<b>pH</b>	> 11.5
<b>Melting point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Viscosity</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	1.02 g/cm <sup>3</sup>

## 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: Acids.
--	----------------------------

## 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

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## 11.1.4. Toxicological Information

2-Aminoethanol	Inhalation Rat LC50/1.3 mg/l h: 6 Oral Rat LD50: 1515 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Inhalation Rat LC50/15min: NDA  Oral Rat LD50: 5000mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: >2000mg/kg  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Di Methoxy Propanol	Oral Rat LD50: >5000 mg/kg Inhalation Rat LC50/4 h: NDA	Dermal Rabbit LD50: 9510 mg/kg
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Inhalation Rat LC50/>52 h: 4  Oral Rat LD50: NDA Dermal Rabbit LD50: 6300 to 13500 mg/kg	Dermal Rat LD50: NDA  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
tetrasodium (1-hydroxyethylidene)bisphosphonate	Inhalation Rat LC50/15min: NDA  Oral Rat LD50: NDA Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA  Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA

## SECTION 12: Ecological information

## 12.1. Toxicity

2-Aminoethanol	Daphnia EC50/48h: 65.0000 mg/l Fish LC50/96h: 170 mg/l	Algae EC50/72h: 22 mg/l
Amides, C8-18 (even numbered) and C18- unsatd., N, Nbis(hydroxyethyl)	Fish LC50/96h: 10.0000 mg/l  Daphnia LC50/48h: 10	Green algae EC50/96h: 10
Di Methoxy Propanol	Daphnia EC50/48h: 1919.0000 mg/l Fish LC50/96h: 1000.0000 mg/l	Algae IC50/72h: 969.0000 mg/l
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Daphnia EC50/48h: 4.5300 mg/l  Algae EC50/72h: 5.2 mg/l	Fish LC50/96h: 4.2000 mg/l
tetrasodium (1-hydroxyethylidene)bisphosphonate	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

	Zenith 5XD One Shot Concentrated Degreaser (098200) No data available
--	---

## 12.4. Mobility in soil

	No data is available on this product.
--	---------------------------------------

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## 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

	UN2491
--	--------

## 14.2. UN proper shipping name

	ETHANOLAMINE, SOLUTION
--	------------------------

## 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	60 L

## Zenith 5XD One Shot Concentrated Degreaser (098200)

Revision 12

Revision date 2017-07-28

## IATA

Maximum quantity	5 L
------------------	-----

**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.
---

**Further information**

Classified as H314 due to pH of concentrated product being >11.5.
---

**SECTION 16: Other information****Other information**

<b>Revision</b>	This document differs from the previous version in the following areas:. 4 - Inhalation.
<b>Acronyms</b>	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.
<b>Text of risk phrases in Section 3</b>	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Eye Irrit. 2: H319 - Causes serious eye irritation.
<b>Labelling for contents</b>	non-ionic surfactants 5% - < 15% anionic surfactants 0% - < 5% phosphonates 0% - < 5% Perfumes 0% - < 5% preservation agents 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.
--