

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

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Zenith 10C Tannin Remover (051200, 9000018)

Revision 9

Revision date 2017-09-05

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name	Zenith 10C Tannin Remover (051200, 9000018)
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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	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 - 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

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2.2. Label elements

Precautionary Statement: Disposal	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: disodium metasilicate.

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.
Sodium carbonate	011-005-00-2	497-19-8	207-838-8	01-2119485498-19	30 - 40%	Xi; R36	
Sodium percarbonate		15630-89-4	239-707-6	01-2119457268-30	20 - 30%	O; R8 Xn; R22 Xi; R41	
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9	01-2119449811-37	1 - 10%	C; R34 Xi; R37	
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8	01-2119484819-18	0 - 0.5%	Xn; R65	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Sodium carbonate	011-005-00-2	497-19-8	207-838-8	01-2119485498-19	30 - 40%	Eye Irrit. 2: H319;	
Sodium percarbonate		15630-89-4	239-707-6	01-2119457268-30	20 - 30%	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Dam. 1: H318;	
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9	01-2119449811-37	1 - 10%	Skin Corr. 1B: H314; STOT SE 3: H335;	
Kerosine - unspecified - distillates (petroleum), hydrotreated light	649-422-00-2	64742-47-8	265-149-8	01-2119484819-18	0 - 0.5%	Asp. Tox. 1: H304;	

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

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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

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

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Disodium metasilicate	Long-term - inhalation - Systemic effects	6.22 mg/m ³	
	Long-term - dermal - Systemic effects	1.49 mg/kg	
Sodium carbonate	Long-term - inhalation - Local effects	10 mg/m ³	
Sodium percarbonate	Acute dermal - Local effects	12.8 mg/cm ³	
	Long-term - inhalation - Local effects	5 mg/m ³	Long-term - dermal - Local effects 12.8 mg/cm ³

Exposure Pattern - General population

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Exposure Pattern - General population

Disodium metasilicate	Long-term - inhalation - Systemic effects 1.55 mg/m ³	
	Long-term - dermal - Systemic effects 0.74 mg/kg	Long-term - oral - Systemic effects 0.74 mg/kg
Sodium carbonate	Acute inhalation - Local effects 10 mg/kg	
Sodium percarbonate	Acute dermal - Local effects 6.4 mg/cm ³	
	Long-term - dermal - Local effects 6.4 mg/cm ³	

8.2. Exposure controls

	
	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

Appearance	Powder
Colour	White
Odour	Characteristic
pH	> 11.5 @ 1%
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Bulk Density	No data available

SECTION 10: Stability and reactivity

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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

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

Disodium metasilicate	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 847 mg/kg Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Kerosine - unspecified - distillates (petroleum), hydrotreated light	Inhalation Rat LC50/4 h: > 5.2 mg/l Oral Rat LD50: > 5,000 mg/kg Dermal Rabbit LD50: > 2,000 mg/kg	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Sodium carbonate	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 2800 mg/kg Dermal Rabbit LD50: >2000mg/kg	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA
Sodium percarbonate	Inhalation Rat LC50/15min: NDA Oral Rat LD50: 1034 Dermal Rabbit LD50: NDA	Dermal Rat LD50: NDA Oral Mouse LD50: NDA Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information

12.1. Toxicity

Disodium metasilicate	Algae EC50/72h: NDA Guppy LC50/96h: NDA	Daphnia LC50/48h: NDA
Kerosine - unspecified - distillates (petroleum), hydrotreated light	Fish LC50/96h: 45.0000 mg/l Daphnia LC50/48h: NDA	Green algae EC50/96h: 4.2 mg/l
Sodium carbonate	Daphnia EC50/48h: 227.0000 mg/l Algae EC50/72h: NDA	Fish LC50/96h: 300.0000 mg/l
Sodium percarbonate	Daphnia EC50/48h: 4.9000 mg/l Algae EC50/72h: NDA	Fish LC50/96h: 70.7000 mg/l

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

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Partition coefficient

	Zenith 10C Tannin Remover (051200, 9000018) No data available
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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 15 alkalines.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN3253
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14.2. UN proper shipping name

	DISODIUM TRIOXOSILICATE
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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
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	(E)

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IMDG	
EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	864
Maximum quantity	100 kg
Packing Instruction (Passenger)	860
Maximum quantity	25 kg
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	
Revision	This document differs from the previous version in the following areas: 4 - Inhalation.
Acronyms	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 risk phrases in Section 3	R8 - Contact with combustible material may cause fire. R22 - Harmful if swallowed. R34 - Causes burns. R36 - Irritating to eyes. R37 - Irritating to respiratory system. R41 - Risk of serious damage to eyes. R65 - Harmful: may cause lung damage if swallowed.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation. Ox. Sol. 2: H272 - May intensify fire; oxidiser. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Labelling for contents	oxygen-based bleaching agents 15% - < 30% anionic surfactants 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

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Further 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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