1. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

1.1 Product Identifier

Product name	T100C
Product code	811971
Barcode	4061461987619

UFI: 8300-P0FS-T000-GEWP

1.2 Uses and uses advised against

Uses	Bicycle chain cleaning

1.3 Details of the supplier of the product

Supplier name	ALDI STORES (A Limited Partnership)
Address	1 Sargent Road, MINCHINBURY NSW 2770 AUSTRALIA
Telephone:	+61 2 9675 9000 (8:30am – 5:00pm)
E-mail:	not available

1.4 Emergency telephone number

Emergency telephone number	13 11 26
Association/ Organisation	Poison Information Centre

1.5 After Sales Service

Name	INSTALL AND FIX SOLUTIONS PTY LTD
Address	UNIT 1, 9 Kingsbury St., Brendale, QLD, 4500 AUSTRALIA
Telephone:	1800 269 981
E-mail:	support@wunsche.com.au

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2. IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

2.1 Classification of the substance or mixture

Classification according to Safework Australia
Skin irritant (Skin Irrit. 2), H315
Eye irritant (Eye Irrit. 2), H319

2.2 GHS Label elements

Labelling according to Safework Australia

Hazard pictograms

Signal word Warning

Hazard warnings
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Safety instructions

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/eye protection. (commercial)
P302+352: IF ON SKIN: Wash with plenty of water/soap.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362+364: Take off contaminated clothing and wash it before reuse.

Cleaner contains:

< 5% nonionic surfactants
< 5% anionic surfactants

2.3 Other hazards

As a matter of principle, chemicals pose special dangers. They should therefore only be handled with the necessary care by appropriately trained personnel.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Classification	Content
2-butoxyethanol	111-76-2	203-905-0	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	10 – 11%
ethylenediaminetetraacetic acid	60-00-4	200-449-4	Eye Irrit. 2, H319	5 – 6%
alcohols, C9-11, ethoxylated	68439-46-3	932-771-2	Eye Dam. 1, H318	1%
sodium silicate pentahydrate	10213-79-3	600-279-4	Skin Corr. 1B, H314 STOT SE 3, H335	1%
water	7732-18-5	231-791-2	-	remainder

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin	IF ON SKIN: Wash with plenty of water and soap. If skin irritation or a rash occurs: Get medical advice/attention. Take off contaminated clothing.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Danger of aspiration. Call a doctor immediately.
First aid facilities:	Eye wash facilities should be available.

4.2 Most important symptoms and effects, both acute and delayed

Skin irritation and serious eye irritation after direct contact.

4.3 Immediate medical attention and special treatment needed

No further relevant information available.

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Foam, dry extinguishing agent or CO_2

Unsuitable extinguishing agents: Water in full jet

5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion products may contain the following substances:
Irritant gases or vapours

5.3 Advice for firefighters

Special protective equipment:
Wear a self-contained positive pressure breathing apparatus (SCBA) and suitable protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, eye and face protection. For personal protection see section 8.

6.2 Environmental precautions

Release into the environment must be avoided. Spills or uncontrolled discharges into watercourses must be reported immediately to the national environmental authority or other competent authority.

6.3 Methods or cleaning up

Small release: Flush away spillage with plenty of water. Major release: Enclose and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable disposal containers and seal securely.

6.4 References to other sections

For information on safe handling, see section 7.
For information on personal protective equipment, see section 8.
For information on disposal, see section 13.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good persona hygiene, including washing hand before eating. Prohibit eating, drinking and smoking in contaminated areas. Wear protective equipment: gloves, eye and face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store at 15-25 °C, in a dry, well ventilated area removed from incompatible substances and foodstuff. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

7.3 Specific end uses

Bicycle chain cleaner

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8. EXPOSURE CONTROLS /PERSONAL PROTECTION

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

Inhaltsstoff	CAS-Nr.	Value	Parameters to be monitored	Basis
2-Butoxyethanol	111-76-2	TWA	20 ppm 98 mg/m³	Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
		Indicates the possibility that larger amounts of the substance may be absorbed through the skin. Indicative		
		STEL	50 ppm 246 mg/m³	Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
		Indicates the possibility that larger amounts of the substance may be absorbed through the skin. Indicative		
		AGW	10 ppm 49 mg/m³	TRGS 900 - Occupational exposure limits
		Skin resorptive There is no need to fear a risk of foetal damage if the occupational exposure limit value and the biological limit value are complied with.		

Biological occupational exposure limit

Ingredient	CAS-No.	Parameter	Value	Sample material	Basis
2-Butoxyethanol	111-76-2	Butoxyacetic acid	150 mg/g Creatinine	Urine	TRGS 903 - Biological limit values
		In case of long-term exposure: after several previous shifts. End of exposure, or end of shift			
		Butoxyacetic acid	100 mg/l	Urine	TRGS 903 - Biological limit values
		in case of long-term exposure: after several previous shifts			

Derived no effect level (DNEL)

Scope of application	Exposure route	Impact on health	Value
Worker DNEL, long-term	dermal	Systemic effects	
Worker DNEL, long-term	inhalative	Systemic effects	98 mg/m³
Consumer DNEL, Long-term	dermal	Systemic effects	
Consumer DNEL, Long-term	oral	Systemic effects	
Consumer DNEL, acute	inhalative	Local effects	123 mg/m³
Consumer DNEL, Long-term	inhalative	Systemic effects	49 mg/m³

The lists and information valid at the time of compilation served as a basis.

8.1 Exposure control

Engineering controls Avoid inhalation. Use in well ventilated areas.

PPE The design of body protection equipment must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. The chemical resistance of the protection should be clarified with their suppliers.

Eye Use safety goggles or face shield when when using large quantities.

Hand Polyvinyl chloride (PVC)

The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer.

Body When handling large quantities or where heavy contamination is likely, where protective clothing.

Respiratory Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: liquid
Colour: pink/transparent
Odour: characteristic
Odour threshold: Not determined.

pH value at 20 °C:	11,50
Melting point/Melting range:	No data available.
Boiling point/Boiling range:	No data available.
Flash point:	-
Flammability (solid, gaseous):	No information available.
Ignition temperature:	No data available.
Decomposition temperature:	No data available.
Autoflammability:	No.
Explosion hazard:	Not explosive.
Explosion limits:	Not applicable.
Oxidising properties:	No data available.
Vapour pressure at 20 °C:	-
Density at 20 °C:	-
Relative density:	No data available.
Vapour density:	No data available.
Evaporation rate:	No data available.
Solubility in / Miscibility with Water:	Soluble in water.
n-octanol/water:	< 0.5
Viscosity:	No data available.
Dynamic at 25 °C:	No data available.
Kinematic:	No data available.

9.2 Other information

No further relevant information available.

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10. STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are to be expected when used as directed.
Material is stable at room temperature and room air pressure.

10.2 Chemical stability

No decomposition if stored and handled as intended.

10.3 Possibility of hazardous reactions

No information.

10.4 Conditions to avoid

No information.

10.5 Incompatible materials

Oxidising agent.

10.6 Hazardous decomposition products

In case of fire: see chap. 5.

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No toxicological studies have been carried out with the product.

Acute toxcicity	Harmful if swallowed or inhaled.
Eye	Serious eye irritation from direct contact.
Sensitisation	Skin irritation from direct contact.
Mutagenicity	Not classified as mutagen.
Carcinogenicity	Not classified as carcinogen.
Reproductive	Not classified as reproductive toxin.
STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	May cause respiratory irritation.
Aspiration	Aspiration hazard.

After ingestion:
Gastrointestinal disturbances
Vomiting

After absorption:
Dizziness
Headache
Nausea

After absorption of large amounts:
Damage to liver and kidney.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No aquatic toxicity studies have been conducted with the product.

Data on 2-butoxyethanol:

Toxicity to fish	static test LC_{50} - Oncorhynchus mykiss (Rainbow trout) 1.474 mg/l - 96 h (OECD Test guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC_{50} - Daphnia magna (Large water flea) 1.550 mg/l - 48 h (OECD- Test guideline 202)
Toxicity to algae	static test EC_{50} - Pseudokirchneriella subcapitata (Green algae) 1.840 mg/l - 72 h (OECD- Test guideline 201)
Toxicity to bacteria	static test - Pseudomonas putida 700 mg/l - 16 h

12.2 Persistence and degradability

No information on the product.

Data on 2-butoxyethanol:

Biodegradability	aerobic - Exposure time 28 d Result: 90,4% - Easily biodegradable. (OECD- Test guideline 301 B)
Ratio BOD/ThBOD	88%

12.3 Bioaccumulative potential

Non-accumulating.

12.4 Mobility in soil

No further relevant information available.
Ecotoxic effects: Hazardous to water
Remark: Do not allow large quantities to reach ground water, water bodies or sewage system.

12.5 Other adverse effects

No further relevant information available.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment process

Dispose in accordance with relevant local legislations.

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14. TRANSPORT INFORMATION

14.1 UN number

ADR

UN number	No dangerous goods
Designation of the goods	
Class	
Packing group	
Hazard identification no.	
Tunnel restriction code	
Environmental hazard	
Label	

IATA

UN number	No dangerous goods
Description of the goods	
Class	
Packing group	
Environmental hazard	
Packing instruction (CAO)	
Packing Instruction (PAX)	
Packaging Instruction (Ltd. Qty.)	
Label	

IMDG

UN number	No dangerous goods
Description of the goods	
Class	
Packing group	
EmS Fire	

EmS Spillage
Marine pollutants
Label

15. REGULATORY INFORMATION

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

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Inventory listings **AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**
All components are listed on AIIC, or are exempt.
EUROPE:EINECS (European Inventory of Existing Chemical Substances)
All components are listed on EINECS, or are exempt.

16 Other information

Additional information

Personal protective equipment guidelines:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors, such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health effects from exposure:
It should be noted that the effect of exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report that would encompass all possible scenarios, it is anticipated that users will assess the risk and apply control methods where appropriate.

Abbreviations and acronyms

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
LD50*:	Lethal dose, 50 percent (Not relevant for classification)
LC50*:	Lethal concentration, 50 percent (Not relevant for classification)
TCL0*:	Lowest toxic concentration (Not relevant for classification)

Report status

This document has been compiled by EuDiCo GmbH on behalf of the manufacturer, importer or supplier of the product and served as their Safety Data Sheet (SDS).

It is based on information concerning the product which has been provided by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly form the manufacturer, importer or supplier.

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