

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

1 Identification

Product Name: TECHNIC CLEAN

Other Means of Identification: Mixture

Product Code: TC1

Recommended Use of the Chemical and Restriction on Use: Cleaning product

Details of Manufacturer or Importer:

Australian Dental Manufacturing
25 Billabong Street
Kenmore Hills QLD 4069

Phone Number: 07 3878 1901

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



STOT SE 3

H336 May cause drowsiness or dizziness.

Signal Word Danger

Hazard Statements

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 1)

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.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P370+P378 In case of fire: Use to extinguish: CO₂, powder or water spray.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

64-17-5	Ethanol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319	20 - 30%
71-23-8	propan-1-ol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ STOT SE 3, H336	20 - 30%
9036-19-5	Polyethylene glycol octylphenyl ether ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Toxicity (Oral) 4, H302	<0.1%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause irritation of nose and respiratory tract, headache, drowsiness, dizziness, nausea and other central nervous system effects, fatigue, loss of concentration and narcosis.

Eye Contact: Causes serious eye damage.

Ingestion: May be harmful if swallowed causing nausea, stomach pain and gastrointestinal irritation. If larger quantities are swallowed, product may affect central nervous system and cause weakness, dizziness and unconsciousness.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water fog, carbon dioxide, dry chemical powder and foam. Do not use water jet.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 2)

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Store at temperatures below 30 °C. Protect containers from physical damage. Check regularly for leaks. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.

8 Exposure controls and personal protection

Exposure Standards:**64-17-5 Ethanol**

WES	TWA: 1880 mg/m ³ , 1000 ppm
-----	--

71-23-8 propan-1-ol

WES	STEL: 614 mg/m ³ , 250 ppm
	TWA: 492 mg/m ³ , 200 ppm
	Sk

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 3)

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Clear
Odour:	Alcohol odour
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	78-82 °C
Flash Point:	13 °C
Flammability:	Highly flammable.
Auto-ignition Temperature:	360 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	2 Vol %
Upper:	19 Vol %
Vapour Pressure at 20 °C:	2-15 mm Hg (solvent component)
Relative Density at 20 °C:	0.8
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Solubility in Solvents:	Miscible with hydrocarbon solvents

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 4)

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****64-17-5 Ethanol**

Oral	LD ₅₀	7060 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	20000 mg/l (rat)

71-23-8 propan-1-ol

Oral	LD ₅₀	1870 mg/kg (rat)
Dermal	LD ₅₀	5040 mg/kg (rabbit)

Acute Health Effects**Inhalation:**

May cause irritation of nose and respiratory tract, headache, drowsiness, dizziness, nausea and other central nervous system effects, fatigue, loss of concentration and narcosis.

Skin: No information available

Eye: Causes serious eye damage.

Ingestion:

May be harmful if swallowed causing nausea, stomach pain and gastrointestinal irritation. If larger quantities are swallowed, product may affect central nervous system and cause weakness, dizziness and unconsciousness.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: Repeated or prolonged skin exposure may cause skin irritation.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:****64-17-5 Ethanol**

EC ₅₀ /48 h	12.34 mg/l (daphnia)
	>100 mg/l (selenastrum capricornutum)
LC ₅₀ /48 h	>100 mg/l (golden orfe)

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 5)

Persistence and Degradability: No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number ADG, IMDG, IATA	UN1170
Proper Shipping Name ADG, IMDG, IATA	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Dangerous Goods Class ADG Class: IMDG Class:	3 (F1) Flammable liquids. 3 Flammable liquids.
Packing Group: ADG, IMDG, IATA	II
EMS Number:	F-E,S-D
Hazchem Code:	•2YE
Special Provisions:	144
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

15 Regulatory information

Australian Inventory of Chemical Substances:

64-17-5	Ethanol
71-23-8	propan-1-ol
9036-19-5	Polyethylene glycol octylphenyl ether
7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 Other information

Date of Preparation or Last Revision: 24.05.2017**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNIC CLEAN

(Contd. of page 6)

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 2: Flammable liquids – Category 2

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Australian Dental Manufacturing makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.