

Product **Technic Clean**

Product Code **TC1**

Last Revision October 2013

Version 2

COMPANY DETAILS

COMPANY NAME: ADM – Australian Dental Manufacturing
ACN: 010 967 432

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PRODUCT INFORMATION

PRODUCT NAME: Technic Clean

UN Number	None Allocated
Dangerous Goods Class	Not classified as Dangerous Goods
Hazchem Code	None allocated
Packaging Group	None Allocated
Poison Schedule	None Allocated
Product Use	Cleaning Product
Pack Size	1 Litre Bottle

COMPOSITION

Chemical Composition	CAS number	Proportion
Water	7732-18-5	40%
HAZARDOUS INGREDIENTS:		
Ethanol	64-17-5	30%
n-Propanol	71-23-8	30%
Surfactant	9036-19-5	<10%

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PHYSICAL AND CHEMICAL DATA

Appearance:	Clear liquid
Odour	Alcohol Odour
Melting Point:	Not Available
Boiling Point	78 - 82°C (Solvent Component)
Vapour Pressure @ 83.5°C	2-15 mm Hg (solvent Component)
Specific Gravity	0.8
Flash Point	Not flammable
Flammable Limits	LEL: 2% (Solvent Component) UEL: 19% (Solvent Component)
Auto ignition Temperature	Not flammable
Corrosiveness	Not Corrosive
Solubility	Miscible with Water Miscible with Hydrocarbon Solvents

HEALTH HAZARDS IDENTIFICATION

This Product is not classified as hazardous according to criteria of NOHSC .

ACUTE EFFECTS

INGESTION:

- May be harmful if swallowed. May cause nausea, irritation of the gastro-intestinal tract & mucous membranes, stomach pain.
- Product may affect central nervous system. If larger quantities are swallowed symptoms such as weakness, dizziness and unconsciousness may occur.

EYE

- May cause mild irritation to eyes.

SKIN:

- Repeated or prolonged exposure to skin may cause irritation on skin.

INHALED

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

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FIRST AID

INGESTION:

- For minor ingestion rinse mouth and give water to drink. Watch for toxic symptoms. Do not give anything by mouth to an unconscious person seek urgent immediate medical attention.

EYE:

- Open eye lids to irrigate the eye with copious amounts of water for 15 minutes. If eyes continue to be affected seek immediate medical attention.

SKIN:

- Remove contaminated clothing immediately. Wash affected areas with water. If irritation occurs seek medical attention.

INHALED:

- If inhaled, immediately remove person to fresh air until fully recovered. If person is not breathing, open airway and administer CPR (artificial respiration). Administer oxygen if breathing is difficult. Seek urgent medical attention.

EXPOSURE CONTROLS/PERSONAL PROTECTION

In accordance with the criteria of NOHSC this Product is not classified as hazardous.

Name of Volatile Chemical	CAS No.	Exposure Limits
Ethanol	64-17-5	TWA: 1000ppm NOHSC, OSHA PEL, ACGIH TLV
n-Propanol	71-23-8	TWA: 200ppm, STEL: 250ppm, NOHSC, NIOSH TWA: 200ppm, OSHA PEL

Personal Protection

- Use gloves and safety glasses when handling the product. Use product in well ventilated area – the use of masks is not normally needed. If misting in confined areas and there is a risk of inhalation, wear approved respiratory protection. Respirators should comply with AS 1716 and be used in accordance with AS 1715.

Engineering Controls

- The Product contains flammable solvents in aqueous medium, therefore when using the product in a confined area it is recommended that the above exposure limits be observed.
- Provide ventilation to control exposure level below airborne exposure limits. Avoid skin and eye contact. It is

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	recommended to wear, safety glasses and solvent resistant gloves when handling the product. Always wash hands before eating and drinking. • If there is risk of inhalation wear approved respiratory protection. Respirators should comply with AS1716 and should be used in according with AS1715. • TWA is the time-weighted average airborne concentration over an eight-hour working day, for a five day working week over an entire working life. This concentration should neither impair the health, or not cause undue discomfort to, nearly all workers according to current information. • STEL (Short Term Exposure Limit) is the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day.
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COMBUSTIBILITY	
FIRE HAZARD & EXPLOSION: COMBUSTION PRODUCTS	• Product contains flammable solvents in aqueous medium. • Isolate from sources of heat, naked flames or sparks. • If leakage of a container occurs remove the container outside if safe to do so – do not endanger life. • Container may explode in heat or fire. Use water to keep the container cool. Notify emergency services. • For small fires use dry chemical, CO₂ or foam extinguishers • The ingredients will breakdown under fire conditions. • Decomposition products are Carbon Dioxide, Water Vapour, traces of Carbon Monoxide. Fumes, smoke and Carbon Monoxide can be formed during incomplete combustion. • Fire fighters may need self-containing breathing apparatus.

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ACCIDENTAL RELEASE MEASURES

- Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Wipe up small spills with paper toweling and dispose to bin. Disposal of waste must be in accordance with the Local Waste Disposal Authority.
- Prevent runoff to drains leading to waterways. Wash contaminated area liberally with water.
- For large spills or leaks in confined areas, restrict persons not wearing protective equipment from the area of spill or leak until cleanup is complete.
- Ventilate the area of spill or leak.
- Absorb liquids in vermiculite, dry sand, earth or inert material and deposit in an appropriate waste disposal container.

HANDLING & STORAGE

- Product to be handled only by qualified staff in dental offices/laboratories.
- See product instructions for safe use
- Store in a cool well ventilated place out of direct sunlight.
- Store away from strong oxidizing agents and acids.
- Store below 25°C keep away from sources of heat; do not drop.
- Protect containers from physical damage, check regularly for leaks.
- Avoid contact with skins and eyes.
- Avoid breathing vapours
- Do not store together with food.

Risk Phrases

R10: Flammable

R26: Harmful by inhalation

R36: Irritating to eyes

R38: Irritating to skin

Safety Phrases

S2: Keep out of reach of children

S16: Keep away from sources of ignition – no smoking

S23/24/25: Avoid contact with skin and eyes and breathing vapours

S29 Do not empty into drains

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

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STABILITY & REACTIVITY

REACTIVITY

Stable at normal temperatures and pressure.

CONDITIONS TO AVOID:

Avoid sources of heat and ignition.
Avoid contact with incompatible materials.

INCOMPATIBLES:

Reacts with strong oxidizing agents.

TOXICOLOGICAL INFORMATION

SYMPTOMS: No adverse health effects are expected if this product is handled in accordance with this Material Safety Data Sheet and the Product label/instructions.

If the product is spilled or mishandled, symptoms noted in section "Acute Effect" may occur:

Long Term Effects:

No specific long-term data is available for this product however the following information on the ingredients are presented.

Ethanol	
Oral LD50 (Rat)	6,200 to 17,800 mg/kg
Oral LD50 (Mouse)	3,450 mg/kg
INV LD50 (Rat)	1,440 mg/kg

N-Propanol	
Oral LD50 (Rat)	5,045 mg/kg
Oral LD50 (Mouse)	6,800 mg/kg
Oral LD50 (Rabbit)	2,825 mg/kg
INV LD50 (Rat)	590 mg/kg

Long-term occupational skin exposure to the solvent components has reportedly caused drying and cracking of the skin. Chronic effects of Ethanol and n-Propanol include liver damage and central nervous system effects.

No other long-term effects have been reported for the other ingredients.

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ECOLOGICAL INFORMATION

- Spillages from the small packaging of this product are unlikely to penetrate soils. The solvents used in this product are volatile and will partition to the atmosphere.
- Unlikely to cause long term adverse effects in the environment. This material is not expected to bioaccumulate.
- As the solvent component is likely to vaporize quickly it is unlikely to reach waterways to cause long-term effect to the aquatic environment.
- The ingredients are completely biodegradable.
- No long-term persistent effects are expected. Due to the small package size spillages are unlikely to be a nuisance to the environment.

DISPOSAL CONSIDERATIONS

Dispose containers thoughtfully to landfill.

TRANSPORT INFORMATION

UN NUMBER	None allocated
CLASS	Not classified as dangerous goods
SUBSIDIARY RISK:	Nil
HAZCHEM CODE:	None Allocated
Packaging Group	NA

REGULATORY INFORMATION

From information available, this Product is not classified using the criteria of NOHSC.

Material Safety Data Sheet

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CONTACT POINT

CONTACT: Business Hours: 0738781901
Mobile: 0419665074
Emergency 131 126

This MSDS summarises our best knowledge of the health and safety hazard information of this Product and how to safely handle and use the product in the workplace.

Each user should read this MSDS and consider the information in the context of how the Product will be handled and used in the workplace including its use in conjunction with other products. If clarification of any term in this MSDS or further information is required to ensure safe use of this Product can be made the user should contact ADM – Australian Dental Manufacturing

OTHER INFORMATION

This MSDS is prepared with consideration of the document “National Code of Practice for the Preparation of Material Safety Data Sheets”, 2nd Edition [NOHSC:2011(2003)], Worksafe Australia.

Contact Points: Australia

Police & Fire: 000
National Poisons Information Centre: 131126 (anywhere in Australia)

READ LABEL CAREFULLY BEFORE USING PRODUCT

END OF MSDS