

Product **Technic Oil S**

Product Code **TOS500**

Last Revision October 2013

Version 2

COMPANY DETAILS

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

ADDRESS: 25 Billabong Street
Kenmore Hills
Brisbane, Qld 4069.

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PRODUCT INFORMATION

PRODUCT NAME: ADM TechnicOil S

This product is a synthetic petroleum hydrocarbon light oil. It is a proprietary product - little specific data is available for this product. Product is contained in hydrocarbon propellant.

UN Number	1950
Dangerous Goods Class	2.1
Hazchem Code	None Allocated
Packaging Group	None Allocated
Poison Schedule	None Allocated
Product Use	Lubrication of Dental Hand pieces
Product Size	500 mL Aerosol Can

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COMPOSITION

Chemical Composition	CAS number	Proportion
HAZARDOUS INGREDIENTS:		
Synthetic Petroleum Hydrocarbon Propane/Butane	Proprietary 74-98-6/106-97-8	>50% Propellant

PHYSICAL AND CHEMICAL DATA

Appearance:	Clear Oily Liquid in spray can
Odour	Hydrocarbon Odour
Melting Point:	Not Available
Boiling Point	299°C
Vapour Pressure at 25°C	<0.001 kPa
Specific Gravity	unknown
Flash Point	-41°C (Propellant)
Flammable Limits	LEL 3% (Propellant) UEL 18.6% (Propellant)
Auto ignition Temperature	235°C (Propellant)
Corrosiveness	Not Corrosive
Solubility	Miscible in Water Soluble in Hydrocarbon Solvents

HEALTH HAZARDS IDENTIFICATION

This Product is classified as hazardous according to criteria of NOHSC.

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ACUTE EFFECTS

INGESTION:

- May be harmful if swallowed. May cause diarrhoea and laxative effect with dehydration.
- If propellant enters mouth it may cause frost bite and freeze burns.

EYE

- May cause irritation to eyes.
- Propellant vapours are not expected to cause any irritation however if the propellant contacts the eye frost bite or freeze burns may cause permanent damage to the eye.

SKIN:

- May cause irritation to skin.
- Propellant may cause frost bite or freeze burns. Blistering with inflammation and pain may occur.

INHALED

- May cause irritation of respiratory tract, headaches, dizziness, loss of coordination nausea and other effects of the central nervous system.
- Propellant is highly volatile. May cause irritation to eyes, nose or respiratory tract.
- Inhalation of high concentrations may cause asphyxiation by displacement of oxygen from the breathing atmosphere. It may cause central nervous system depression such as dizziness, drowsiness, headache, mood disturbances, mental confusion and similar narcotic symptoms but no long term effects.
- Signs of asphyxiation will be noticed when oxygen is reduced to below 16% and may occur in four stages. Symptoms include reduced alertness, fatigue, dizziness, headache, mental confusion, poor coordination.
- Unconsciousness leading to central nervous system injury and possibly death will occur when the atmospheric oxygen concentration is reduced to about 6% to 8% or less. As this product is packaged in small containers exposure to high concentrations is unlikely unless intentional inhalation.

CHRONIC EFFECTS

- Repeated long term exposure to the product may cause internal injury to the following organs; lungs, liver, kidneys, nervous system. No studies have been conducted for long term effects, cancer or reproductive hazard.

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FIRST AID

INGESTION:

- Do not induce vomiting. Do not give anything by mouth to an unconscious person seek 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. Clothing frozen to the skin should be thawed then washed using lukewarm water. 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.

TWA

- Slightly volatile – none allocated

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

- Provide ventilation to avoid breathing mist. Avoid skin and eye contact. It is recommended to wear, safety glasses and 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.
- Ensure good ventilation in storage and use.

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COMBUSTIBILITY	
FIRE HAZARD & EXPLOSION:	• Product contains highly flammable liquefied gas under pressure. • Isolate from sources of heat, naked flames or sparks. • If practical remove the container outside if safe to do so – do not endanger life.
COMBUSTION PRODUCTS	• For small fires use dry chemical, foam, water spray or Carbon Dioxide extinguishing media. • Carbon Dioxide, Water Vapour, traces of Carbon Monoxide and Nitrogen Oxides. Fumes, smoke and Carbon Monoxide can be formed during incomplete combustion. • Fire fighters may need self-containing breathing apparatus.

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 detergent and 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.
- The product is not considered a hazardous waste. Contact your local EPA or authority for specific recommendations if in doubt.

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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.
- Store below 25°C keep away from sources of heat.
- Protect containers from physical damage, check regularly for leaks.
- Avoid contact with skins and eyes.
- Do not store together with food.

Risk Phrases

R10: Flammable

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: Do not breath gas/fumes/vapour/spray

S24/25: Avoid contact with skin and eyes

STABILITY & REACTIVITY

REACTIVITY

CONDITIONS TO AVOID:

INCOMPATIBLES:

- Stable at normal temperatures and pressure.
- Avoid sources of heat and ignition.
- Avoid contact with incompatible materials.
- Reacts with strong oxidizing agents.

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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:

Synthetic Petroleum Hydrocarbon

Oral LD50 (Rat) 5,000 mg/kg

No specific long term data is available for this product.

ECOLOGICAL INFORMATION

- Due to the small package size spillages are unlikely to be a nuisance to the environment. If released to penetrate soils the product will be absorb on the soil and become immobile.
- The product is insoluble in water and unlikely to reach waterways. Unlikely to cause long term adverse effects in the environment. This material is not expected to bioaccumulate.
- No data is available with respect to the effects on the aquatic environment.

DISPOSAL CONSIDERATIONS

Dispose containers thoughtfully to landfill.
Empty containers represent a fire hazard as they may contain flammable product residues and vapour.
Never weld or solder empty containers.

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TRANSPORT INFORMATION

UN NUMBER 1950

CLASS 2.1

SUBSIDIARY RISK: Nil

HAZCHEM CODE: None Allocated

Packaging Group None Allocated

This product is classified as dangerous goods by the criteria of the Australian Dangerous Goods Code for Road and Rail.

REGULATORY INFORMATION

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

CONTACT POINT

CONTACT: Business Hours: 07 38781901
 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

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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:

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National Poisons Information Centre:

131126 (anywhere in Australia)

READ LABEL CAREFULLY BEFORE USING PRODUCT

END OF MSDS