

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

1 Identification

Product Name: TECHNICAL OIL (AEROSOL)

Other Means of Identification: Mixture

Product Code: TOS500

Recommended Use of the Chemical and Restriction on Use: Lubrication of dental hand pieces

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

Aerosol 1

H222 Extremely flammable aerosol.



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Signal Word Danger

Hazard Statements

H222 Extremely flammable aerosol.

H319 Causes serious eye irritation.

Precautionary Statements

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

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P280 Wear eye protection / face protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 1)

Hazardous Components:		
64-17-5	Ethanol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319	50 - 70%
74-98-6	Propane ⚠ Flammable Gases 1, H220; ⚠ Gases Under Pressure (Compressed gas), H280	
106-97-8	Butane ⚠ Flammable Gases 1, H220; ⚠ Gases Under Pressure (Compressed gas), H280	

Additional information:

This product also contains 30 - 50% anglomoil SFGH32 and <1% peppermint fragrance, CAS Nos. not supplied.

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 respiratory irritation, headaches, dizziness, loss of coordination nausea and other effects of the central nervous system.

Skin: May cause skin irritation.

Eye contact: Causes eye irritation, redness and tearing.

Ingestion: May cause gastrointestinal irritation and diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical power, sand. Do not use water spray or jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen.

Product is extremely 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, chemical resistant gloves and 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.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 2)

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:

Product to be handled only by qualified staff in dental offices/laboratories.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Ensure good ventilation/exhaustion at the workplace.

Take precautionary measures against static discharge. 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. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents. Store below 25 °C. Protect containers from physical damage. Check regularly for leaks or spills. Do not pierce or burn containers, even after use.

8 Exposure controls and personal protection

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

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

74-98-6 Propane

WES	Asphyxiant
-----	------------

106-97-8 Butane

WES	TWA: 1900 mg/m ³ , 800 ppm
-----	---------------------------------------

Engineering Controls:

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

Respiratory Protection:

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.

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 3)

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:	Oily liquid in spray can - aerosol
Colour:	Clear
Odour:	Hydrocarbon odour
Odour Threshold:	Not determined.
pH-Value:	Not applicable
Melting point/freezing point:	-188 °C (propane)
Initial Boiling Point/Boiling Range:	-42.1 °C (propane)
Flash Point:	-104 °C (propane)
Flammability:	Extremely flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	2.1 Vol % (propane)
Upper:	9.5 Vol % (propane)
Vapour Pressure:	No information available
Relative Density at 20 °C:	0.564 (propane)
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Solubility in Solvents:	Soluble in hydrocarbon solvents
Partition Coefficient (n-octanol/water):	Not determined.

10 Stability and Reactivity

Possibility of Hazardous Reactions: No known hazardous reactions.

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 and nitrogen.

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)

74-98-6 Propane

Inhalation	LC ₅₀ /4 h	658 mg/l (rat)
------------	-----------------------	----------------

106-97-8 Butane

Inhalation	LC ₅₀ /4 h	658 mg/l (rat)
------------	-----------------------	----------------

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 4)

Acute Health Effects**Inhalation:**

May cause respiratory irritation, headaches, dizziness, loss of coordination nausea and other effects of the central nervous system.

Skin: May cause skin irritation.

Eye: Causes eye irritation, redness and tearing.

Ingestion: May cause gastrointestinal irritation and diarrhoea.

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

Serious Eye Damage / Irritation: Causes serious eye irritation.

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:

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

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: No information available

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)

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.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 5)

14 Transport information

UN Number ADG, IMDG, IATA	UN1950
Proper Shipping Name ADG, IMDG, IATA	AEROSOLS, flammable
Dangerous Goods Class ADG Class:	2.1
Packing Group:	Not applicable
EMS Number:	F-D,S-U
Hazchem Code:	Not applicable
Special Provisions:	63, 190, 277, 327, 344, 381
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P207, LP200
Packagings & IBCs - Special Packing Provisions:	PP87, L2

15 Regulatory information

Australian Inventory of Chemical Substances:

64-17-5	Ethanol
74-98-6	Propane
106-97-8	Butane

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 Ltdwww.msds.com.au

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 percent
 LD₅₀: 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 Gases 1: Flammable gases – Category 1
 Aerosol 1: Aerosols – Category 1
 Gases Under Pressure (Compressed gas): Gases under pressure – Compressed gas
 Flammable Liquids 2: Flammable liquids – Category 2
 Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

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

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 24.05.2017

Revision: 24.05.2017

Product Name: TECHNICAL OIL (AEROSOL)

(Contd. of page 6)

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.