

Safety Data Sheet

according to WHS Regulations

Printing date 30.06.2017

Revision: 30.06.2017

1 Identification

Product Name: SCOTTY CLEAN

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Dental suction line cleaner.

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.



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Serious Eye Damage/Irritation 2A

H319 Causes serious eye irritation.

Signal Word Danger

Hazard Statements

H222 Extremely flammable aerosol.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements

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

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

P251 Do not pierce or burn, even after use.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

P321 Specific treatment (see on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

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

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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	2 - 5%
60-00-4	Edetic acid ⚠ Serious Eye Damage/Irritation 2A, H319	2 - 5%
1310-58-3	Potassium hydroxide ⚠ Skin Corrosion/Irritation 1A, H314; ⚠ Acute Toxicity (Oral) 4, H302	1 - 2%
505-86-2	Cetrimide ⚠ Skin Corrosion/Irritation 1C, H314	1 - 2%
5064-31-3	Trisodium nitrilotriacetate ⚠ Carcinogenicity 2, H351; ⚠ Acute Toxicity (Oral) 4, H302; ⚠ Serious Eye Damage/Irritation 2A, H319	<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, hold eyelids open and rinse with water for at least 15 minutes. Cover eyes and protect from light. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately give copious quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation, dizziness, headaches, nausea, incoordination, confusion and other narcotic symptoms. May cause asphyxiation by displacement of oxygen. May cause unconsciousness and death.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation. If liquefied gas comes into contact with eyes it may cause frostbite of freeze burns and permanent eye damage.

5 Fire Fighting Measures

Suitable Extinguishing Media: For small fires use foam, dry powder or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and silicon, smoke and water vapour.

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.

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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, protective clothing and safety boots. 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:

Vapour can be dispersed with water spray. 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. Small spills can be wiped up with paper towels or clean rags. Wash spill area liberally with water.

7 Handling and Storage**Precautions for Safe Handling:**

This product is to be handled only by qualified dental staff.

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.

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 container tightly closed. Protect containers from physical damage. Check regularly for leaks. Do not drop. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from oxidising agents such as ozone, peroxides, perchlorates, permanganates, nitrates and chlorates, strong acids and halogens, such as chlorine, bromine and fluorine. Store at temperatures below 25 °C. Do not store near food.

8 Exposure controls and personal protection**Exposure Standards:****64-17-5 Ethanol**

WES	TWA: 1880 mg/m ³ , 1000 ppm
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1310-58-3 Potassium hydroxide

WES	Peak limitation: 2 mg/m ³
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Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use an 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.

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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: Colourless
Odour: Perceptible ethereal / chloroform-like odour. Possible ammoniacal odour.

Odour Threshold: No information available

pH-Value: No information available

Melting point/freezing point: No information available

Initial Boiling Point/Boiling Range: 94 °C

Flash Point: -41 °C

Flammability: Product is not flammable.

Auto-ignition Temperature: 235 °C

Decomposition Temperature: No information available

Explosion Limits:

Lower: No information available

Upper: No information available

Vapour Pressure at 20 °C: 51.6 hPa

Relative Density: 1.6

Vapour Density: No information available

Evaporation Rate: No information available

Solubility in Water: Completely soluble

Partition Coefficient (n-octanol/water): No information available

Metal Corrosivity: Highly corrosive. Keep away from exposed metals.

Viscosity: No information available

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:

Oxidising agents such as ozone, peroxides, perchlorates, permanganates, nitrates and chlorates, strong acids and halogens, such as chlorine, bromine and fluorine.

Hazardous Decomposition Products: Oxides of carbon and silicon, smoke and water vapour.

11 Toxicological Information

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

Oral	LD ₅₀	7060 mg/kg (rat)
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Inhalation	LC ₅₀ /4 h	20000 mg/l (rat)
60-00-4 Edetic acid		
Oral	LD ₅₀	4500 mg/kg (rat)
1310-58-3 Potassium hydroxide		
Oral	LD ₅₀	273 mg/kg (rat)
5064-31-3 Trisodium nitrilotriacetate		
Oral	LD ₅₀	1450 mg/kg (rat)

Acute Health Effects**Inhalation:**

May cause respiratory irritation, dizziness, headaches, nausea, incoordination, confusion and other narcotic symptoms. May cause asphyxiation by displacement of oxygen. May cause unconsciousness and death.

Skin: Causes skin irritation.

Eye:

Causes serious eye irritation. If liquefied gas comes into contact with eyes it may cause frostbite or freeze burns and permanent eye damage.

Ingestion: No information available

Skin Corrosion / Irritation: Causes skin irritation.

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:

Repeated and prolonged exposure may cause damage to the lungs, liver, kidneys and nervous system.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity: No adverse ecological effects are expected.

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

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

Persistence and Degradability:

No long-term persistent effects are expected. The material is likely to vapourise quickly and is unlikely to reach waterways.

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Bioaccumulative Potential: Bioaccumulation is not expected to occur.**Mobility in Soil:** This product is volatile and will likely partition into the atmosphere.**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	UN1950
ADG, IMDG, IATA	
Proper Shipping Name	AEROSOLS
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	2.1
Packing Group:	Not regulated
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
60-00-4	Edetic acid
68-04-2	Sodium citrate
164462-16-2	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
1310-58-3	Potassium hydroxide
505-86-2	Cetrimide
5064-31-3	Trisodium nitrilotriacetate
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: 30.06.2017**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

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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)
Aerosol 1: Aerosols – Category 1
Flammable Liquids 2: Flammable liquids – Category 2
Acute Toxicity (Oral) 4: Acute toxicity – Category 4
Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A
Skin Corrosion/Irritation 1C: Skin corrosion/irritation – Category 1C
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
Carcinogenicity 2: Carcinogenicity – 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”

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