



MATERIAL SAFETY DATA SHEET

Product: Hospital Grade Disinfectant Solution

Product Code: DL2901, DL2903, DL2903R, DL2903T

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hospital Grade Disinfectant Solution

Recommended use: Disinfectant and decontaminant cleaner for use on surfaces of inanimate objects including plastics, non-porous vinyl and upholstery, stainless steel, painted surfaces, glass and other hard surfaces .

Contact Information Organisation	Location	Telephone
Dentalife Australia Pty Ltd	Factory 9 / 505 Maroondah Highway Ringwood VIC 3134 Australia	+61 3 9879 1226

Poisons Information Centre (24 hour, 7 days a week) in an emergency : 13 11 26

2. HAZARD IDENTIFICATION

2.1 Classification: Hazardous Material

2.2 Signal Word: Warning



2.3 Label Elements: Pictograms

2.4 Hazard Statement:

H303 Maybe harmful if swallowed
H316 May cause mild skin irritation
H320 Causes eye irritation.
H335 May cause respiratory irritation.

2.5 Precautionary Statements:

P102 Keep out of reach of children
P233 Keep container tightly closed.
P260 Do not breathe dust, fumes, vapours.
P262 Do not get in eyes, on skin, or on clothing

2.6 Response Statements

P301 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 + P312 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if feeling unwell.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion %</u>
Benzethonium Chloride	121-54-0	0.2 to 0.3%
Isopropyl Alcohol	67-63-0	15 to 20%
Inert Ingredients	-	5 to 10%
Water	7732-18-5	to 100 %

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

- Ingestion:** Immediately rinse mouth thoroughly with water and give plenty of water to drink provided subject is completely conscious. Do NOT induce vomiting. Seek medical attention.
- Eye:** Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. If irritation persists, seek medical attention.
- Skin:** Wash affected areas with copious quantities of soap and water immediately. Seek medical attention if signs or symptoms such as redness, swelling, blistering or irritation develop or persist.
- Inhalation:** If fumes are inhaled, remove to fresh air. Seek medical attention if symptoms persist.

4.2 Medical Attention and Special Treatment

- First Aid Facilities:** Eye wash stations and safety showers should be readily available. Rubber or plastic gloves should be used when handling.
- Comments:** Treat according to person's condition and specifics of exposure.
- Advice to Doctor:** Consult Poisons Information Centre Ph : 13 11 26. Ensure skin is thoroughly irrigated to remove all traces of product and thus avoid any possible reaction with locally applied medication.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media: Carbon dioxide, dry chemical, foam.

5.2 Unusual fire and explosion hazards: Flammable liquid and vapour.

5.3 Special protective equipment: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.



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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Protective gloves and safety glasses should be worn..
- 6.2 Environmental precautions:** Prevent from entering into drains, native or natural environments, ie river systems
- 6.3 Methods and materials for containment and cleaning up:** Absorb or cover with dry earth, sand or other non- combustible material and transfer to containers for disposal. Material can be disposed according to local regulation.

7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**
Avoid exposure to excessive heat. Extinguish all ignition sources..
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:**
Store at ambient temperature.
Original sealed containers provided by manufacturer.
Avoid contact with acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** PEL/TLV: 400 ppm (Isopropyl alcohol)
ES-TWA: 400 ppm (Isopropyl alcohol)
ES-STEL: 500 ppm (Isopropyl alcohol).
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Adequate general and local ventilation is required.
- 8.4 Personal Protective Equipment:** Respiratory Protection: Not needed. Use the product in a well-ventilated area.
Hands Protection: Wear gloves are recommended for handling the product.
Eyes Protection: Safety glasses are recommended to prevent eye contact
Skin Protection: Handle in accordance with good personal hygiene and safety practices.
Other Protective Equipment: Lab coat or operating gown recommended..



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to Amber Liquid
Odour:	Slight floral fragrance with background of alcohol
pH:	11.0 – 12.5 (solution)
Boiling point:	86°C to 90°C
Flash point:	28.3°C (Isopropanol)
Flammability:	Not Flammable if stored as directed.
Lower Explosivity Limit (L.E.L.):	Not applicable
Upper Explosivity Limit (U.E.L.):	Not applicable
Oxidizing properties:	None
Vapour pressure:	Similar to water
Relative density:	Not applicable
Specific gravity (of liquid):	0.972 g/ml
Solubility (of liquid):	100% in water
Viscosity:	Similar to water
Vapour density (air = 1):	Similar to water
Evaporation rate (n-butane = 1):	Not available
Miscibility (of liquid):	Miscible with water.
Solubility in Lipids:	Not available
Conductibility:	Similar to water

10. STABILITY AND REACTIVITY

10.1 Reactivity: Non Reactive.

10.2 Chemical Stability: Stable when kept cool and dry

10.3 Conditions To Avoid: Avoid temperature above 120°F (49°C) and evaporation of water.

10.4 Incompatible Materials and Possible Hazardous Reactions: Avoid contact with Acids, no hazardous reaction will occur.

10.5 Hazardous Decomposition Products: Oxides of Carbon.

10.6 Hazardous Polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure: [X] Inhalation [X] Skin contact [X] Ingestion

11.2 Health Effects From Likely Route of Exposure:

Effects and hazards of eye contact: May cause reversible damage.

Effects and hazards of skin contact: Not considered an irritant.

Effects and hazards of Inhalation (Breathing): May cause low or mild irritation.

Effects and hazards of Ingestion (Swallowing): May be harmful if swallowed.

Effects for prolonged Exposure: Unknown.



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12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity: No data available

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulation Potential: No information available

12.4 Aquatic toxicity data for ingredients:

Isopropyl alcohol: LC50 (fishes, 48 hours): 8970 mg/L

12.5 Other Adverse Effects: No recognized unusual toxicity to plants.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

13.2 Disposal of Contaminated Packaging: Recycle /reconditioned at an approved facility..

13.3 Environmental Regulations: Not relevant.

14. TRANSPORT INFORMATION

U.N. Number : Not Applicable

Dangerous Goods Class : Not Applicable

Hazchem Code : Not Applicable

Subsidiary Risk : Not Applicable

CAS Number : See ingredients

Pack. Group: Not Applicable

15. REGULATORY INFORMATION

15.1 SUSDP Poisons Schedule: N/A

15.2 Prohibition / Licensing Requirements: N/A

15.3 Industrial Chemicals (Notification and Assessment) Act 1989: Listed in the Australian Inventory of Chemical Substances (AICS)

Product is regulated by the TGA in Australia. This product complies under AUST L 181266

16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.

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