

MATERIAL SAFETY DATA SHEET

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IPA 70% Hospital Grade Disinfectant

1. IDENTIFICATION

Product Name:	IPA 70% Hospital Grade Disinfectant Towelettes, Spray and Solution
Product Codes:	DL0901 - IPA 70% Clear 5L Dispenser Pack DL0911 - IPA 70% Blue 5L Dispenser Pack DL0920 - IPA 70% Towelette and refill DL0903 - IPA 70% 750mL Trigger Spray
Recommended use:	IPA 70% Clear and Blue are active against Gram positive and Gram-negative bacteria. Bacterial spores are considered to be resistant. IPA 70% Clear and Blue can be used to disinfect surfaces such as tables, glass, dental bracket tables and trolleys. The IPA 70% Blue is a coloured solution to aid in identification in use.
Contact Information:	Dentalife Australia Pty. Ltd. Factory 9/505 Maroondah Highway Ringwood, VIC, 3134, Australia Phone: +61 3 9879 1226
Poisons Information Centre:	24 hour, 7 days a week in an emergency call: 13 11 26

2. HAZARD IDENTIFICATION

Classification:	Hazardous Material
Signal Word:	DANGER
Label Elements: Pictograms	 
Hazard Statement:	H225 Highly flammable H320 Causes Irritation to eyes H336 Vapours may cause drowsiness and dizziness
Precautionary Statements:	P210 Keep away from sources of ignition - No smoking P223 Keep container tightly closed P262 Avoid contact with skin, eyes and clothing P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing.



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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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion</u>
Isopropyl alcohol	67-63-0	70%
Purified water	7732-18-5	30%
Brilliant Blue	####	0 - 0.02%

4. FIRST AID MEASURES

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:	Remove to fresh air. Seek medical attention if symptoms persist.

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.



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5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide, dry chemical, foam
Unusual fire and explosion hazards:	Flammable liquid and vapour
Special firefighting measures:	None
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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Protective gloves and safety glasses should be worn. Ensure adequate ventilation. Remove all sources of ignition. Do not swallow. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Prevent from entering into drains, native or natural environments, ie river systems.
Methods and materials for containment and cleaning up:	Ventilate the area. No sparking tools should be used. Use explosion-proof equipment. 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

Precautions for Safe Handling:	Avoid exposure to excessive heat. Extinguish all ignition sources. Use only in well-ventilated areas. Do not smoke. Do not swallow. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Conditions for Safe Storage	Store at ambient temperature. Original sealed containers provided by manufacturer. Keep away from heat and sources of ignition. Keep away from direct sunlight. Keep out of reach of children.
Materials to avoid:	Strong acids, strong oxidizing agents.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	PEL/TLV: 400 ppm (Isopropyl alcohol) ES-TWA: 400 ppm (Isopropyl alcohol) ES-STEL: 500 ppm (Isopropyl alcohol).
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Adequate general and local ventilation is required.
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. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear: Colorless solution Blue: Iridescent, light blue coloured solution
Odour:	Typical Alcohol-like odour
pH:	Not applicable
Boiling point:	81°C to 83°C
Melting point:	-89°C
Flash point:	12°C
Flammability:	Flammable
Lower Explosivity Limit (L.E.L.):	2 vol %
Upper Explosivity Limit (U.E.L.):	13 vol%
Oxidizing properties:	None
Vapour pressure:	44 hPa (20°C)
Relative density:	Not applicable
Specific gravity (of liquid):	0.87 g/mL
Solubility (of liquid):	100% in water
Viscosity:	2.27 mPas (20°C)
Vapour density (air = 1):	Similar to water
Evaporation rate (n-butane = 1):	Not available
Miscibility (of liquid):	Miscible with water



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10. STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions
Chemical Stability:	Stable under recommended storage conditions
Conditions To Avoid:	Keep away from sources of ignition - No Smoking
Incompatible Materials and Possible Hazardous Reactions:	Avoid contact with acids.
Hazardous Decomposition Products:	Oxides of Carbon
Hazardous Polymerisation:	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute	
Swallowed:	Low toxicity unless swallowed in large amounts. May cause stomach pains, cramps, nausea, and vomiting. Over 185mL swallowed may be fatal
Eye:	The vapour is irritating to the eyes above 400ppm. Direct contact with the liquid can cause severe irritation.
Skin:	Brief exposures to vapour and liquid are not irritating but prolonged contact with liquid can be irritating.
Inhaled:	Mild irritation to the nose, throat and respiratory tract above 400ppm. High concentrations can cause drowsiness and unconsciousness.
Chronic:	Repeated skin contact can result in dryness and cracking (degreasing) of the skin. There are no other long-term health effects expected.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulation Potential:	No information available
Aquatic toxicity data for ingredients:	Isopropyl alcohol: LC50 (fishes, 48 hours): 8970 mg/L
Other Adverse Effects:	No recognized unusual toxicity to plants.



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13. DISPOSAL CONSIDERATIONS

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.
Disposal of Contaminated Packaging:	Recycle /reconditioned at an approved facility.
Environmental Regulations:	Not relevant

14. TRANSPORT INFORMATION

U.N. Number:	1219	Dangerous Goods Class:	3.1
Hazchem Code:	2[S]E	Subsidiary Risk:	Not Applicable
CAS Number:	67-63-0	Pack. Group:	II

15. REGULATORY INFORMATION

SUSDP Poisons Schedule:	N/A
Prohibition / Licensing Requirements:	N/A
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 ARTG No. 193323

16. OTHER INFORMATION

Product is considered safe if used as intended.
Product is intended for professional dental/medical 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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