

Material Safety Data Sheet

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Infosafe No™ 4ACMT Issue Date : January 2009 ISSUED by PDS

Product Name : ISOPOL CLEAR & BLUE

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ISOPOL CLEAR & BLUE

Company Name Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)

Address 3/8 Nicole Close Bayswater North
VIC 3153 Australia

Emergency Tel. +61 3 9761 6615 bh

Telephone/Fax Number Tel: +61 3 9761 6615
Fax: +61 3 9730 1073

Recommended Use Antimicrobial solution/Disinfecting agent. ISOPOL is active against Gram-positive and Gram-negative bacteria. Bacterial spores are considered to be resistant. ISOPOL can be used to disinfect surfaces such as tables, trays, glass, dental bracket tables and trolleys.

Other Names

<u>Name</u>	<u>Product Code</u>
Isopol Clear (5 Litres)	34250
Isopol Blue (5 Litres)	34252

Other Information PROFESSIONAL DENTIST SUPPLIES
Ph: 03 9761 6615 (business hours)
The information contained within this material safety data sheet (MSDS) is believed to be accurate on the date of issue and in accordance with the information provided to us. Any person handling the product referred to in this material safety data sheet do so at their own risk. Professional Dental Supplies accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.

Risk Phrase(s) Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness

Safety Phrase(s) S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray
S25 Avoid contact with eyes.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Isopropanol	67-63-0	70 %
	Other Ingredients	Not required	Balance
	Determined Not To Be Hazardous		

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities Eyewash and normal washroom facilities.

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Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, dry chemical or foam.**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.**Specific Hazards** Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.**Hazchem Code** 3[Y]E**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.**Unsuitable Extinguishing Media** Do NOT use high volume water jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers closed when not in use. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.**Corrosiveness** Not corrosive to aluminium.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits for ingredients are listed below:

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Isopropanol	400	983	500	1230	-

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TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

No biological limits allocated.

Biological Limit Values**Engineering Controls**

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear: Clear, colourless liquid with typical alcohol odour. Blue: Iridescient, light blue liquid with typical alcohol odour.
Melting Point	Not available
Boiling Point	81 to 83°C
Solubility in Water	Soluble
Specific Gravity	0.8g/mL approx.
pH Value	Not available
Vapour Pressure	33mmHg at 20°C
Vapour Density (Air=1)	Not available
Flash Point	12°C (Closed Cup)
Flammability	Highly flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	2%
Flammable Limits - Upper	12%

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of storage and handling.

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Product Name : **ISOPOL CLEAR & BLUE**

Conditions to Avoid	Heat, ignition sources.
Incompatible Materials	Strong oxidisers.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material. The available toxicity data for the ingredients are as follows: LC50 (Inhalation, Rat): 16,000 ppm/8H LD50 (Oral, Rat): 5,000 mg/kg LD50 (Dermal, Rabbit): 12,800 mg/kg
Inhalation	Vapours or mists may cause irritation to the mucous membrane and upper airways. Symptoms may include nausea, drowsiness, dizziness, vomiting and breathing difficulties.
Ingestion	May cause irritation to the mouth, esophagus and stomach. Symptoms may include nausea, headaches, vomiting, and abdominal pain.
Skin	May dry and defat the skin resulting in irritation and possible contact dermatitis.
Eye	Will cause irritation in contact with the eyes, which can result in stinging, redness and lachrymation.
Chronic Effects	Prolonged or repeated exposure with this material may result in skin irritation and aggravate existing respiratory disorders.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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14. TRANSPORT INFORMATION

Transport Information	Australia: This material is classified as a Class 3 (Flammable Liquids) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk - Class 2.3, Toxic Gases - Class 4.2, Spontaneously Combustible Substances - Class 5.1, Oxidising Agents - Class 5.2, Organic Peroxides - Class 6, Toxic and Infectious Substances, if the Class 3 dangerous goods are nitromethane - Class 7, Radioactive Substances
U.N. Number	1993

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Product Name : **ISOPOL CLEAR & BLUE**

Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. - (CONTAINS ISOPROPANOL)
DG Class	3
Hazchem Code	3[Y]E
Packaging Method	3.8.3RT1
Packing Group	II
EPG Number	3A1
IERG Number	14

15. REGULATORY INFORMATION

Regulatory Information	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
Hazard Category	Irritant, Highly Flammable

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: January 2009 Supersedes: February 1999, January 2004.
Contact Person/Point	...

...End Of MSDS...

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