

Ainsworth Dental Company

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MATERIAL SAFETY DATA SHEET

1. NAME OF PRODUCT

Product Name: **Isoclean (Isopropyl Alcohol – Isopropanol)**
Product Code: AIIA5
Used for: Hospital-grade disinfectant
Supplier: Ainsworth Dental Company

2. CHEMICAL ANALYSIS

| Formula: | %: | CAS No: |
|-------------------|------|---------|
| Isopropyl Alcohol | 100% | 67-63-0 |

3. POSSIBLE HAZARDS

Highly Flammable

Will be easily ignited by heat, sparks or flames.
Keep away from sources of ignition.
Containers may explode when heated.
Fires will product irritating, poisonous and/or corrosive gases.
Most vapours will collect in low or confined areas (eg drains).
Vapours from runoff may create an explosion hazard.

Poisonous

May be fatal if inhaled, swallowed or absorbed through skin.
May irritate or burn skin and eyes.
Vapours may cause drowsiness and dizziness.
Runoff from fire control or dilution water may pollute waterways.

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give water to drink provided patient is conscious. Do not induce vomiting. Seek immediate medical attention.
Inhalation: Remove patient from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
Skin: Remove contaminated clothing and shoes immediately. Wash affected area with soap and plenty of water. If irritation persists, seek medical attention.
Eyes: Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

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5. FIRE FIGHTING MEASURES

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| Extinguishing Media: | Water spray, alcohol-resistant foam, dry chemical, carbon dioxide. Water spray may be used to cool fire-exposed containers. |
| Hazards from Combustion Products: | Flammable liquid. Vapours are heavier than air and may travel to an ignition source and flash back. Vapours can spread along the ground and collect in low or confined areas. Incompatible with oxidizing agents, acid, halogenated compounds and sources of ignition. When involved in a fire, this product may generate carbon monoxide and carbon dioxide. |

6. SPILLS & LEAKAGE MEASURES

Eliminate all ignition sources (no smoking, flares, sparks or flame)
Do not touch or walk through spilled material.
Stop leak if safe to do so – prevent entry into waterways, drains or confined areas.
Absorb with earth, sand or other non-combustible material. Avoid using sawdust or cellulose.
When saturated collect material, transfer to suitable labelled, dry chemical-waste containers and dispose of promptly as hazardous waste.

7. HANDLING AND STORAGE

| | |
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| Handling: | Use only in well ventilated premises. Keep away from sources of ignition – Do Not Smoke All equipment used in handling the product must be earthed. |
| Storage: | Store in a cool, dry, well-ventilated, fire-proof area. Keep containers tightly sealed when not in use. Protect from sunlight, moisture and electrostatic charges. Do not expose to temperatures exceeding 50°C |
| Container Type: | Store in original packaging as approved by manufacturer/supplier. |

8. PERSONAL PROTECTION GEAR

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| Protection: | When necessary, wear impermeable gloves to prevent skin contact. Use protective goggles to prevent splashing in the eyes. |
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9. PHYSICAL AND CHEMICAL PROPERTIES

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|---------------------------|--------------------|
| Form: | Liquid |
| Colour: | Clear/colourless |
| Odour: | Aromatic |
| Solubility in water: | Soluble |
| Density: | 2.08 |
| Flammability limit: | 2.0 – 12.0 (% Vol) |
| Boiling Range: | 82.22°C |
| Melting Point: | -88.5°C |
| Flash Point (Closed cup): | 12°C |

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10. STABILITY AND REACTIVITY

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| Conditions to avoid: | Excessive heat, direct sunlight, moisture, freezing, static discharges and high temperatures. |
| Hazardous Decomposition products: | When involved in a fire, this product may generate carbon monoxide and carbon dioxide. |
| Incompatibility (Materials to avoid) | Oxidizing agents, acids, halogenated compounds and sources of ignition. |
| Stability: | Stable under directed conditions of use, storage and temperature. Flammable liquid. |
| Hazardous Polymerization: | None |

11. TOXICOLOGY INFORMATION

| | |
|-------------|---|
| Ingestion: | May cause gastro-intestinal pain, cramps, nausea, vomiting, diarrhea, drowsiness and unconsciousness. |
| Inhalation: | Inhalation of vapours may irritate the respiratory tract. Exposure to high concentrations has a narcotic effect, including symptoms of dizziness, drowsiness, headache, staggering and unconsciousness. |
| Eyes: | Vapours may cause eye irritation. Splashes may cause severe eye irritation. |
| Skin: | May cause skin irritation, redness and pain. |

12. ECOLOGICAL INFORMATION

Do not let product reach drains, sewers or waterways.

13. DISPOSAL INSTRUCTIONS

Dispose of in accordance with all local and federal regulations.

14. TRANSPORTATION INSTRUCTIONS

Land transport:

| | |
|---------------|--------------------|
| Class: | 3 Flammable Liquid |
| UN No: | 1912 |
| Hazard label: | 2YE |

Sea transport:

| | |
|---------------|------|
| Class: | 3 |
| UN Number: | 1912 |
| Hazard label: | 2YE |

Air Transport:

| | |
|--------|------|
| Class: | 3 |
| UN No: | 1912 |

15. REGULATIONS

| | |
|------------------------|------------------|
| Hazard Classification: | Highly flammable |
|------------------------|------------------|

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16. OTHER INFORMATION

The data and information given in this Material Safety Data Sheet are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.

**SYDNEY
NOVEMBER 2010**