

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: **ECO JET 1 SPRAY DISINFECTANT**
OTHER NAMES: Not available
RECOMMENDED USE: Disinfectant for small surfaces and dental equipment.

SUPPLIER NAME: **CATTANI AUSTRALIA**
ADDRESS: 280 Dundas Street, Thornbury,
Victoria, Australia, 3071

TELEPHONE NUMBER: +61 3 9484 1120

EMERGENCY TELEPHONE NUMBER: +61 3 9484 1120, Business Hours
0403 244 455, After Hours

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature of Product: This product is not classified as Hazardous according to criteria of the National Occupational Health and Safety Commission and is not a dangerous good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Applicable

The Manufacturer recommends the following precautions:

Safety Phrases: S2 – Keep out of reach of children.
S15 – Keep away from heat.
S23 – Do not breathe vapour.
S24/25 – Avoid contact with skin and eyes.
S37/39 – Wear suitable gloves and eye/face protection.
S51 – Use only in well ventilated areas to ensure exposure standard is not exceeded.

UN NUMBER: None Allocated
HAZCHEM CODE: None Allocated
DANGEROUS GOODS CLASS/SUBSIDIARY RISK: None Allocated
POISONS SCHEDULE NUMBER: Not Scheduled

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	PROPORTION
Ethanol (Ethyl alcohol)	64-17-5	< 10%
Isopropanol (Isopropyl alcohol)	67-63-0	< 10%
1-Butoxy-2-propanol (Propylene glycol n-butyl ether)	5131-66-8	< 10%
Didecyldimethylammonium chloride	7173-51-5	< 10%

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SECTION 4 – FIRST AID MEASURES

- INGESTION:** Not normally a means of entry to the body. If ingestion has occurred DO NOT induce vomiting and seek immediate medical assistance taking this MSDS or the container with you.
- EYE:** If in eyes, hold eyes open and flush with copious amounts of water for at least 15 minutes. If irritation develops or persists seek medical advice.
- SKIN CONTACT:** If skin contact has occurred remove contaminated clothing immediately and wash skin thoroughly with soap and water. If irritation develops or persists seek medical advice.
- INHALATION:** If affected, take patient out of the contaminated area and let them rest in a well ventilated area. If symptoms appear, seek medical advice.
- FIRST AID FACILITIES:** Safety showers and eyewash stations are recommended.
- ADVICE TO DOCTOR:** Treat symptomatically. Due to the presence of organic material in the product, it may present an aspiration hazard. If vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

SECTION 5 – FIRE FIGHTING MEASURES

- FIRE:** Not flammable under normal conditions of use. However, if heated to elevated temperatures alcohol vapours may be released.
- EXPLOSION:** No information to indicate that the product is an explosion hazard.
- FIRE EXTINGUISHING MEDIA:** Water, carbon dioxide, foam and dry chemical.
- COMBUSTION HAZARDS:** Avoid breathing in smoke. Carbon dioxide and carbon monoxide may form if the alcohol component evaporates and is combusted.
- PROTECTIVE EQUIPMENT:** In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PROTECTION:** Wear gloves, glasses and full-length clothing.
- EMERGENCY PROCEDURES:** Extinguish and/or remove all sources of ignition. Prevent further product from spilling. Contain the spill and absorb with sand, earth, or vermiculite. Place used absorbent in suitable containers and follow state or local regulations for the disposal of the waste. If spills occur in an enclosed area an approved respirator must be used. For large spills, self-contained breathing apparatus must be used. Do not allow the spilled product to enter drains, sewers or watercourses – inform local authorities if this occurs.
- CLEANING PROCEDURES:** Having contained the spill, collect all material quickly as mentioned above. Personnel must wear safety glasses, gloves and full-length clothing during cleaning procedures. Wash contaminated area and cleaning objects with water after the spill has been cleared.

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SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with the product by using appropriate protective equipment. Avoid breathing vapours that may be generated during use. Do not eat or drink when handling the material. Good personal hygiene practices, such as washing hands prior to eating, drinking or smoking are recommended. Keep containers tightly closed when not in use.

CONDITIONS FOR SAFE STORAGE:

Ensure that the product is stored in a cool, dry and well-ventilated space. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard. Avoid direct sunlight. The product should be stored at a temperature of less than 50°C.

INCOMPATIBILITIES:

The product is water-miscible.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

An exposure standard has not been established for the finished product.

Ethanol (Ethyl Alcohol):

Time Weighted Average (TWA): 1,000 ppm (1,880 mg/m³)

2-Propanol (Iso-Propyl Alcohol):

Time Weighted Average (TWA): 400 ppm (983 mg/m³)

Short Term Exposure Limit (STEL): 500 ppm (1,230 mg/m³)

VENTILATION SYSTEMS:

Special ventilation is not normally required, however local exhaust and general ventilation is recommended to ensure that air concentrations remain below the exposure standards. It is recommended when large quantities are stored that local exhaust systems are used to keep employee exposure to a minimum.

PERSONAL RESPIRATORS:

Respiratory protection is not required as long as exposure standards are not exceeded. If exceeded, an organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

GLOVE TYPE:

Wear gloves to provide hand protection. Natural rubber or neoprene gloves are recommended.

CLOTHING:

During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

EYE PROTECTION:

It is recommended that you wear safety glasses/goggles when handling the product to avoid eye contact.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear liquid.

pH(1% solution):

Approximately 7.

FLASHPOINT:

> 65°C.

SOLUBILITY:

Soluble in water.

ODOUR:

Floral perfume fragrance.

VAPOUR PRESSURE:

Not available.

VAPOUR DENSITY:

Not available.

BOILING POINT:

Not available.

DENSITY:

Approximately 1.00.

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SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID:	The product is water-soluble. As a general precaution avoid heating the product.
INCOMPATIBLES:	None known.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon may form when the product is heated to the point where the organic component combusts.
HAZARDOUS REACTIONS:	None reported. Hazardous polymerisation will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE	SWALLOWED:	This is not expected to be a means of entry during routine operations. May cause irritation to the gastrointestinal tract.
	EYE:	May be mildly irritating to the eyes. Symptoms may include irritation, slight pain and redness. Avoid contact with the eyes.
	SKIN:	May be mildly irritating to the skin. Avoid contact with skin.
	INHALED:	During normal use of the product with adequate ventilation, inhalation should not be a means of entry. As the product contains alcohols, a build up of vapours in a confined space or intentional concentration of the vapours may cause drowsiness and dizziness.
CHRONIC		Prolonged or repeated skin contact may lead to drying of the skin and potentially skin irritation.
TOXICITY DATA:		The product has not been tested as a whole, however the following data is applicable to ethanol, the major constituent. The LD ₅₀ (Rabbit, Oral) is 6300 mg/kg and the LD ₅₀ (Rat, Oral Single Dose) is 7060 mg/kg.

SECTION 12 – ECOLOGICAL DATA

ECOTOXICITY:	No ecotoxicity information is available.
PERSISTENCE & DEGRADABILITY:	The product is water miscible. No persistence or degradability information is available.
MOBILITY:	No mobility information is available
ENVIRONMENTAL FATE:	No environmental fate information available.
BIOACCUMULATIVE POTENTIAL:	No bioaccumulative potential information is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS/ CONTAINERS:	Spilled product, which cannot be recovered for use, should be shovelled into a suitable waste container, such as a plastic drum, and treated as a solid waste. Follow state or local regulations for disposal of the waste. Dispose of containers and unused contents in accordance with Federal, State and local requirements. Do not allow product to enter drains, sewers and watercourses.
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SECTION 14 – TRANSPORT INFORMATION

UN NUMBER: Not applicable (The product is not regulated).
PROPER SHIPPING NAME: Not applicable.
ADG CODE: Not applicable.
PACKAGING GROUP: Not applicable.
SPECIAL PROVISION: Not applicable.
HAZCHEM CODE: Not applicable.

SECTION 15 – REGULATORY INFORMATION

HAZARDOUS: This product is not classified as Hazardous according to criteria of the National Occupational Health and Safety Commission and is not a dangerous good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Applicable

The Manufacturer recommends the following precautions:

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S51 – Use only in well ventilated areas to ensure exposure standard is not exceeded.

No additional regulatory information is available.

SECTION 16 – OTHER INFORMATION

Date of MSDS Preparation: 24 February 2005
Revision: 1.0

ACRONYMS

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS Number Chemical Abstracts Service Registry Number
UN Number United Nations Number
ACGIH American Conference of Governmental Industrial Hygienists
R-Phrase Risk Phrases
S-Phrase Safety Phrases
HAZCHEM No An emergency action code of numbers and letters which gives information to emergency services
NOHSC National Occupational Health and Safety Commission
AICS Australian Inventory of Chemical Substances

CONTACT POINT

NAME: Mr Bill Clark
TITLE: Director
TELEPHONE NUMBER: (03) 9484 1120 B.H 0403 244 455

All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.