

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: ANTIFOAMING DISINFECTANT TABLETS
OTHER NAMES: Not applicable.
RECOMMENDED USE: Disinfectant anti-foaming tablets for dental aspirators.
SUPPLIER NAME: Cattani Australia and New Zealand
ADDRESS: 280 Dundas Street, THORNBURY, VICTORIA, 3071.
TELEPHONE NUMBER: +613 9484 1120 B.H.
EMERGENCY TELEPHONE NUMBER: Poisons Information Centre 13 11 26

SECTION 2 – HAZARDS IDENTIFICATION

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

Xn - Harmful

Risk Phrases:
R22 - Harmful if swallowed.
R37/38 - Irritating to respiratory system and skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.

Safety Phrases:
S2 - Keep out of reach of children.
S24/25 - Avoid contact with skin and eyes.
S26 - In case of contact with eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information centre (Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.
S37/39 - Wear suitable gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately, showing the label or this MSDS where possible.
S51 - Use only in well ventilated areas.

UN NUMBER: Not applicable.
PROPER SHIPPING NAME: Not applicable.
HAZCHEM CODE: Not applicable.
DANGEROUS GOODS CLASS/SUBSIDIARY RISK: Not applicable.
POISONS SCHEDULE NUMBER: Schedule 6.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	PROPORTION % WT
Silicone ASP15	-	30% - 60%
Sodium sulphate, anhydrous	7757-82-6	10% - < 30%
Polyethylene glycol 6000	25322-68-3	10% - < 30%
ortho - Phthalaldehyde	643-79-8	19.9%

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SECTION 4 – FIRST AID MEASURES

- INGESTION:** Rinse mouth out and give a glass of water. As the product contains ortho-phthalaldehyde if swallowed, do NOT induce vomiting. Seek immediate medical assistance if ingested, especially if vomiting has occurred after ingestion, taking this MSDS with you.
- EYE:** If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a doctor. Check for contact lenses. If there are contact lenses, these should be removed under supervision. After flushing, due to the presence of ortho-phthalaldehyde in the product, consult a doctor.
- SKIN CONTACT:** If skin or hair contact has occurred remove any contaminated clothing, wash skin or hair thoroughly with running water. If irritation develops or persists, consult a Doctor.
- INHALATION:** If affected, remove the patient from contaminated area, if safe to do so. Lay patient down in a well-ventilated area and reassure them. If irritation develops or persists, consult a doctor. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance.
- FIRST AID FACILITIES:** Eye wash fountain and safety showers are recommended. As a minimum, a source of running, potable water must be available.
- ADVICE TO DOCTOR:** Treat symptomatically. If vomiting has incurred after ingestion, the person should be observed for adverse effects.

SECTION 5 – FIRE FIGHTING MEASURES

- FIRE:** This product is not flammable under conditions of use. However, if heated to elevated temperatures or by contact with an ignition source the product may decompose and possibly burn.
- EXPLOSION:** No information to indicate that the product is an explosion hazard. The product is sealed in a dissolvable membrane and is therefore not dust prone when the membrane remains intact.
- FIRE EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire. Use foam or water spray or fog for large fires and water, foam, dry chemical or carbon dioxide for small fires. Water may be used to keep adjacent containers cool.
- COMBUSTION HAZARDS:** Combustion may produce irritating or toxic substances such as oxides of carbon as well as oxides of sulphur, silicon and sodium upon thermal decomposition. Avoid breathing vapours.
- 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.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:	For normal spills in a surgery, wear gloves, safety glasses, closed shoes and full-length clothing. For large spills, such as during transportation, full protective clothing, including self-contained breathing apparatus is recommended.
EMERGENCY PROCEDURES:	Ventilate area and extinguish and/or remove all sources of ignition. Prevent further product from spilling. Spills are easily contained due to the nature of the product. Spilled product that cannot be saved should be shovelled and placed into suitable waste containers, such as plastic drums and treated as solid waste. Follow local and state regulations for disposal of waste. Clean spill area with detergent and water. Do not allow 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 should use the protective clothing mentioned above during cleaning procedures. Wash the contaminated area and cleaning objects with detergent and water after the spill has been cleared.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid contact with the product by using appropriate protective equipment. The product is sealed in a dissolvable membrane and is therefore not dust prone when the membrane is intact. If this membrane is intact, gloves, safety glasses and full-length clothing are recommended as a precaution. However, certain filters require the product to be broken along the lengthways groove inserted during manufacture. For these types of filters the membrane must be cut with scissors and the product removed so as to allow insertion of the two halves into the filter system. Removing the membrane increases the chances of contact with the material and the potential formation of dust. In these circumstances the recommended protective equipment is the same as above, however a mask should also be use as a precaution. Use only in well ventilated areas. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Personnel should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking after handling the material. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.
CONDITIONS FOR SAFE STORAGE:	Store in a well-ventilated, cool and dry area. Avoid storing in areas that contain moisture and have high humidity, as the product is soluble in water. Avoid direct sunlight. Keep containers closed when not in use. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard.
INCOMPATIBILITIES:	Oxidising agents including strong acids. The product will dissolve in water.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:	Exposure standards for the product have not been established.
VENTILATION SYSTEMS:	Special ventilation is not normally required during routine use as the product is sealed or used in small quantities that should not generate significant levels of dust if handled carefully. However, it is recommended when large quantities are stored that local exhaust is provided to keep employee exposure to a minimum.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

PERSONAL RESPIRATORS: During routine operation a respirator is not required as the product is sealed in a dissolvable membrane. However, when the filter system requires the product to be removed from the membrane it is recommended that a mask be worn as an extra precaution.

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: Wear safety glasses to avoid eye contact when handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Long, solid, tubular tablets creamy white in colour.
ODOUR: Practically odourless.
VAPOUR DENSITY: Not applicable.
VAPOUR PRESSURE (mmHg): Not applicable.
DENSITY: No data available.
VISCOSITY: Not applicable.
FLASHPOINT (°C): Not applicable.
FLAMMABILITY LIMITS (%): Not applicable.
SOLUBILITY IN WATER(g/L): Fully soluble in water, alcohols and glycols.
BOILING POINT (°C): Not applicable.
% VOLATILE-WT/WT: Not applicable.
EVAPORATION RATE: Not applicable.
pH: Approximately 8 (0.5% Solution).

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Water, including high humidity, as the product is water soluble. Do not leave the container open when not in use. As a precaution, avoid heating the product.

INCOMPATIBLES: Strong oxidising agents including concentrated acids.

HAZARDOUS DECOMPOSITION

PRODUCTS: Combustion may produce irritating or toxic substances such as oxides of carbon as well as oxides of sulphur, silicon and sodium upon thermal decomposition. Avoid breathing vapours.

HAZARDOUS REACTIONS: Hazardous polymerisation does not occur.

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SECTION 11 – TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

ACUTE

SWALLOWED: The product is rated as R22 - Harmful if swallowed and is a Schedule 6 Poison. If swallowed, it may cause irritation to the mouth, throat and digestive tract. Symptoms may include a burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. If vomiting has occurred after ingestion, the person should be monitored to ensure that aspiration into the lungs has not occurred and there are no adverse effects. During normal usage ingestion should not be a means of exposure.

EYE: This product is rated as R41 - Risk of serious damage to eyes. Symptoms may include irritation, pain and redness as well as opacification of the cornea and possible damage to the iris. Avoid contact with the eyes.

SKIN: This product is rated as R43 - May cause sensitisation by skin contact. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

INHALED: If dusts are generated they are expected to be irritating to the respiratory system. During normal use of the product with adequate ventilation, inhalation should not be a means of entry.

CHRONIC Prolonged, repeated, long term exposure to the product via skin contact may lead to sensitisation or irritation of the skin. Observation of good work practices should minimise the potential for this to occur.

TOXICITY DATA: There is no data on the product as a whole.

Immunotoxicity: Data for ortho phthalaldehyde suggests that it has a moderate toxicity range of LD50 (Rat) 121mg/kg to 170 mg/kg.

Skin Sensitisation: This product is expected to be a skin sensitiser, due to the presence of the ortho phthalaldehyde.

Respiratory Tract Sensitisation: This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.

Mutagenic: In a chromosome aberration study in CHO cells ortho phthalaldehyde was found to be clastogenic, it was positive in a sister chromatid exchange assay and negative in a forward mutation study in the same cell line.

Reproductive Toxicity: There is no data for the product as a whole, however ortho phthalaldehyde has not been shown to cause birth defects, but did delay foetal development in rats in an oral (gavage) study at a dose of 40 mg/kg bw/day given to dams.

Teratogenicity/Embryotoxicity: There is no data available for the product.

Carcinogenicity: This product is not expected to be carcinogenic, based on the available data and the known hazards of the components.

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SECTION 12 – ECOLOGICAL DATA

ECOTOXICITY:	There is no data available for the product as a whole. Based upon calculated values, the overall product would not be expected to be rated.
PERSISTENCE & DEGRADABILITY:	There is no persistence or degradability information available on the product.
MOBILITY:	No mobility information is available.
ENVIRONMENTAL FATE:	No environmental fate information is available.
BIOACCUMULATIVE POTENTIAL:	There is no bioaccumulative potential information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS/ CONTAINERS:	Spilled product, which cannot be recovered for use, should be shovelled into a suitable waste container, and treated as a solid waste. Dispose of containers, waste 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. This product is not regulated according to the ADG Code.
PROPER SHIPPING NAME:	Not applicable.
DANGEROUS GOODS CLASS/SUBSIDIARY RISK:	Not applicable.
PACKAGING GROUP:	Not applicable.
SPECIAL PROVISION:	Not applicable.
HAZCHEM CODE:	Not applicable

SECTION 15 – REGULATORY INFORMATION

Statement of Hazardous Nature of Product: This product is classified as Hazardous according to criteria of the National Occupational Health and Safety Commission (SafeWork Australia).

Xn - Harmful

Risk Phrases:	R22 - Harmful if swallowed. R37/38 - Irritating to respiratory system and skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact.
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Safety Phrases:	S2 - Keep out of reach of children. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information centre (Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes. S37/39 - Wear suitable gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately, showing the label or this MSDS where possible. S51 - Use only in well ventilated areas.
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No additional regulatory information is available.

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SECTION 16 – OTHER INFORMATION

Date of MSDS Preparation: 1st December 2010

Revision: 1.0

ACRONYMS

SUSMP	Standard for the Uniform Scheduling of Medicines 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 (SafeWork Australia)
OSHA	Occupational Health and Safety Administration
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
AICS	Australian Inventory of Chemical Substances
IARC	International Agency for Research on Cancer

CONTACT POINT

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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.