

# SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

**1.1 PRODUCT IDENTIFIER:** Puli Jet Gentle

**1.2 PRODUCT CODE:** MO60970

**1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:**  
**RELEVANT IDENTIFIED USES:** Detergent disinfectant for dental vacuum systems.  
**RESTRICTIONS ON USE:** None known.

**1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**  
**SUPPLIER NAME:** Cattani Australia and New Zealand (ABN: 50 004 715 351),  
**ADDRESS:** 280 Dundas Street, Thornbury, Victoria, 3071  
Cattani, Suite 106, The Zone, 23 Edwin Street, Mt Eden, Auckland,  
New Zealand, 1024

**E-MAIL:** [cattani@cattani.com.au](mailto:cattani@cattani.com.au) (Aust); [cattani@cattani.co.nz](mailto:cattani@cattani.co.nz) (NZ)

**TELEPHONE NUMBER:** AUST: +613 9484 1120, NZ: +61 0800 682 288

**1.5 EMERGENCY TEL. NUMBER:** Poisons Information Centre: Aust 131 126; NZ 0800 764 766

## SECTION 2 – HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:

**Statement of Hazardous Nature of Product:** This product is classified as Hazardous according to criteria of the National Occupational Health and Safety Commission. It is assigned as an Environmentally Hazardous Substance, according to the Australian Dangerous Goods (ADG) Code.

**Xn - Harmful, Xi - Irritant, N - Dangerous for the Environment**

**Risk Phrases:**

- R21/22 - Harmful in contact with skin and if swallowed.
- R38 - Irritating to skin.
- R41 - Risk of serious eye damage.
- R43 - May cause sensitisation by skin contact.
- R51/53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
- R67 - Vapours may cause drowsiness and dizziness.

**Safety Phrases:**

- S2 - Keep out of reach of children.
- S9 - Keep container in a well-ventilated place.
- S23 - Do not breathe mists/vapours/spray.
- S24/25 - Avoid contact with skin and eyes.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766).
- S27/28 - After contact with skin, take off immediately all contaminated clothing, and wash thoroughly with soap and water and then methylated spirit if available.
- S29 - Do not empty into drains.
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
- S45 - In case of accident or if you feel unwell, contact a doctor or the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) immediately and show the container or label.
- S51 - Use only in well-ventilated areas.
- S57 - Use appropriate containment to avoid environmental contamination.
- S62 - If swallowed, do NOT induce vomiting: seek medical advice immediately and show the container or label.

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## SECTION 2 – HAZARD(S) IDENTIFICATION Continued

### GHS CLASSIFICATION HAZARD

**CLASS & CATEGORY:** The product is a mixture and has been assessed under the Model Work Health and Safety Regulations with the following Classification:  
Flammable Liquids Category 4 (HSNO 3.1D).  
Acute Toxicity - Oral Category 4 (HSNO 6.1D).  
Acute Toxicity - Dermal Category 4 (HSNO 6.1D).  
Skin Corrosion/Irritation Category 2 (HSNO 6.3A).  
Sensitisation - Skin Category 1 (HSNO 6.5B).  
Serious Eye Damage/Irritation Category 1 (HSNO 8.3A).  
Specific Target Organ Toxicity (Single Exposure) Category 3 (No HSNO equiv).  
Chronic Aquatic Toxicity Category 2 (HSNO 9.1B).

### 2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

**SIGNAL WORD:** Danger.

**PICTOGRAMS:** Corrosion, Exclamation Mark, Environment

**HAZARD STATEMENTS:** H227 - Combustible liquid.  
H302 - Harmful if swallowed.  
H312 - Harmful in contact with skin.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P102 - Keep out of reach of children.  
P103 - Read label before use.  
P210 - Keep away from flames and hot surfaces - No smoking.  
P261 - Avoid breathing mists/vapours/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/eye protection/face protection.

**RESPONSE:** P301+P310 - IF SWALLOWED: Call a POISON CENTER or doctor/physician.  
P302+P352+322 - IF ON SKIN: Wash with plenty of soap and water and then methylated spirits if available.  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately Call a POISON CENTER or doctor/physician if it enters the eye.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell after skin contact or inhalation.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P330 - Rinse mouth.  
P331 - Do NOT induce vomiting.  
P362 - Take off contaminated clothing and wash before reuse.  
P370+P378 - In case of fire: Use carbon dioxide, foam, dry chemical or water spray for extinction.  
P391 - Collect spillage.

**STORAGE:** P403+P233+235 - Store in a well-ventilated place. Keep container tightly closed and keep cool.  
P405 - Store locked up.

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## SECTION 2 – HAZARD(S) IDENTIFICATION Continued

**DISPOSAL:** P501 - Dispose of contents/container in accordance with local regulations.

**2.3 OTHER HAZARDS:** The product may be mildly irritating to the respiratory system. People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	Risk Phrases*	GHS Classification
1-Methoxy-2-propanol	107-98-2	20% - 25%	R10, R67	Flam Liq 3 - H226 STOT SE 3 - H336
Chlorocresol (4-Chloro-3-methylphenol)	59-50-7	3% - 6%	R21/22, R41 R43, R50	Acut Tox 4 - H302 Acut Tox 4 - H312 Skin Sens 1 - H317 Eye Dam 1 - H318 Acut Aq Tox 1 - H400
2-Benzyl-4-chlorophenol	120-32-1	2% - 5%	R36/38 R50/53	Skin Irrit 2 - H315 Eye Irrit 2A - H319 Chron Aq Tox 1 - H410
Sodium hydroxide	1310-73-2	<1%	R35	Skin Corr 1A - H314
Fragrance	68917-18-0	<1%	R52/53	Chron Aq Tox 3 - H412
Mixture of components determined not to be Hazardous	Mixture	To 100%	Not Applic	Not Applic

Not Applic = Not Applicable \* Please see Section 15 of this SDS for full text of the Risk Phrases.

## SECTION 4 – FIRST AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

**INGESTION:** This product contains phenol components. If swallowed, do NOT induce vomiting; seek medical advice immediately taking the Safety Data Sheet (SDS), label or container with you. For advice, contact a Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor. If conscious, rinse out mouth with water.

**EYE:** This product contains phenol components. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes. Check for contact lenses. If there are contact lenses these should be removed under medical supervision. After rinsing, seek medical attention immediately taking the SDS, label or container with you.

**SKIN CONTACT:** If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water and then methylated spirits (avoiding the eyes) if available. Continue flushing until advised to stop by the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor. If irritation develops or persists or a rash occurs, consult a Doctor.

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## SECTION 4 – FIRST AID MEASURES Continued

**INHALATION:** If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment, once environment has been assessed for flammable vapours. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If symptoms, such as dizziness or uncoordination occur, seek immediate medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance.

**PROTECTION FOR FIRST AIDERS:** No person shall place themselves in a situation that is potentially hazardous to themselves. Due to the volatility of some components in the product, never enter the area until you have assessed the environment for oxygen depletion and flammable vapours. Do not enter contaminated area without a respirator or Self Contained Breathing Apparatus once you have assessed the atmosphere. As the product contains solvent and phenols, if the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood

**FIRST AID FACILITIES:** Eye wash fountain and safety showers are recommended in the area where the product is used. As a minimum, a source of running, potable water must be available.

**4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:**  
**ACUTE:** Ingestion or inhalation of vapours may lead to irritation of the mouth and respiratory tract. Symptoms may include a burning sensation in the nose and throat, coughing or difficulty breathing. Ingestion may lead to nausea and diarrhoea. Inhalation of high vapour concentrations may cause central nervous system depression resulting in dizziness, headache, nausea and possible loss of coordination. Eye contact may lead to serious eye damage or irritation, exhibiting as localised burning, redness and tearing. Skin contact may lead to redness or itching.

**CHRONIC:** Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:**  
**ADVICE TO DOCTOR:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

**5.1 EXTINGUISHING MEDIA:**  
**SUITABLE MEDIA:** Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, foam, dry chemical or water fog. Spray down fumes resulting from fire.

**UNSUITABLE MEDIA:** Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot material.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**  
**COMBUSTION HAZARDS:** Combustion of the residual material after evaporation of the aqueous component may produce oxides of carbon, chlorine and nitrogen, as well as smoke and irritating vapours.

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## SECTION 5 – FIRE FIGHTING MEASURES Continued

### 5.3 ADVICE FOR FIREFIGHTERS:

**FIRE:** This product is combustible with a typical flash point of 70°C. The vapour is heavier than air and will spread along the ground and may accumulate in low points or depressions. Therefore, ignition may occur well away from the point of release of the material. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

**HAZCHEM CODE:** 3Z.

**EXPLOSION:** No information to indicate that the product is an explosion hazard; though the solvent component may form an explosive mixture with air. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

**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

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

**PERSONAL PROTECTION:** For normal spills in a surgery, wear PVC, Neoprene or Nitrile gloves, safety glasses, closed shoes and full-length clothing. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere evaluated for oxygen deficiency and whether the atmosphere is flammable. If in doubt wear self-contained breathing apparatus.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. **CAUTION:** Vapour may form an explosive mixture with air. Never enter a spill area unless you know the vapours have dissipated to make the area safe. Stop the leak if safe to do so. **Caution:** The spilled product will be slippery. Avoid contact with the spilled material.

**EMERGENCY PROCEDURES:** In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

**SPILL ADVICE:** Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. Take precautions against static discharge. Ensure all equipment is grounded and use non-sparking tools during clean up operations.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

**CONTAINMENT:** Contain the spill and absorb with a proprietary absorbent material, sand or earth. **Caution:** The spilled product will be slippery. Be careful of static discharges and/or sparking during clean up. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

**CLEANING PROCEDURES:** Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped, using flammable liquid equipment, into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, enclosed shoes and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

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## SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

**SAFE HANDLING:** Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Extinguish any potential sources of ignition before using as flammable vapours will be generated during application. Avoid breathing mists or vapours. Do not smoke when handling the material. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

**SAFE STORAGE:** Classified as a Class 1 Combustible Liquid (FP=70°C). Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store only in original containers. It is recommended that the product is stored below 25°C.

**INCOMPATIBILITIES:** Oxidizing substances including strong acids and strong reducing agents.

## SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

### 8.1 EXPOSURE CONTROL MEASURES:

**EXPOSURE LIMIT VALUES:** Exposure standards for the product have not been established. The following values are applicable for the individual components:

1-Methoxy-2-propanol:  
TWA: 100 ppm 369 mg/m<sup>3</sup> STEL: 150 ppm 553 mg/m<sup>3</sup>  
Sodium hydroxide:  
TWA: 2 mg/m<sup>3</sup> (Peak Limitation)

### 8.2 BIOLOGICAL MONITORING:

No data available.

**8.3 CONTROL BANDING:** No data available.

### 8.4 ENGINEERING CONTROLS:

**ENGINEERING CONTROLS:** Special ventilation is not normally required when using this product in normal use scenarios. However, in a confined environment mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation.

### 8.5 INDIVIDUAL PROTECTION MEASURES:

**EYE & FACE PROTECTION:** Wear safety glasses/goggles to avoid eye contact when handling. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** If there is the chance of contact with the material wear gloves to provide hand protection. PVC, Neoprene or Nitrile rubber gloves are recommended.

### SKIN (CLOTHING) PROTECTION:

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

**RESPIRATORY PROTECTION:** During routine operation a respirator is not required.

**THERMAL PROTECTION:** Not applicable.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Clear, amber liquid.
<b>ODOUR:</b>	Typical light phenolic.
<b>ODOUR THRESHOLD:</b>	No data available.
<b>pH:</b>	Typically 10.8.
<b>MELTING/FREEZING POINT:</b>	No data available.
<b>INITIAL BOILING POINT:</b>	No data available.
<b>BOILING RANGE (°C):</b>	No data available.
<b>FLASHPOINT (°C):</b>	Typically 70°C.
<b>EVAPORATION RATE:</b>	No data available.
<b>FLAMMABILITY LIMITS (%):</b>	No data available.
<b>VAPOUR PRESSURE (mmHg):</b>	No data available.
<b>VAPOUR DENSITY:</b>	No data available.
<b>DENSITY (g/mL):</b>	Typically 1.032.
<b>SOLUBILITY IN WATER(g/L):</b>	Totally miscible in water.
<b>PARTITION COEFFICIENT:</b>	No data available for n-octanol/water.
<b>AUTO-IGNITION TEMP (°C):</b>	No data available.
<b>DECOMPOSITION TEMP (°C):</b>	No data available.
<b>VISCOSITY (cSt @ 100°C):</b>	No data available.
<b>VISCOSITY (cSt @ 25°C):</b>	No data available.

## SECTION 10 – STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections.
- 10.2 CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides as well as strong reducing agents. Hazardous polymerisation does not occur.
- 10.4 CONDITIONS TO AVOID:** Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use. Avoid sources of ignition.
- 10.5 INCOMPATIBLE MATERIALS:** Strong oxidising agents including concentrated acids.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products are not expected to form during normal storage requirements. The material may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides and powerful reducing agents. It may catch fire with strong oxidising mineral acids. See Section 5.2 for Hazardous Combustion products.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is a mixture and test data is not available for the product as a whole.

### 11.2 ACUTE TOXICITY:

**SWALLOWED:** The product is rated as harmful if swallowed. The phenol component means this is a Schedule 5 Poison. The product has a typical pH of 10.8. Hence, ingestion may have a mildly corrosive effect. It contains phenols and sodium hydroxide. Ingestion of large amounts may lead to nausea and vomiting. During normal usage ingestion should not be a means of exposure.

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## SECTION 11 – TOXICOLOGICAL INFORMATION Continued

- EYE:** This product is rated as corrosive under the GHS rating system and has ingredients that may cause severe eye damage if it is not treated immediately. Symptoms may include localised burning, redness and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye damage or irritation.
- SKIN:** The product is rated as may cause an allergic skin reaction and harmful in contact with skin due to the phenolic component in the product. It may also cause skin irritation. 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:** This product is rated as vapours may cause drowsiness and dizziness based upon component values. A build up of vapours in a confined space or intentional concentration of the vapours may cause symptoms, such as headache, drowsiness, dizziness and muscular weakness. Inhalation of high concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea. If vapours are generated during usage, they may be irritating to the eyes and respiratory tract. During normal use of the product with adequate ventilation, inhalation should not be a means of entry.
- 11.2 SKIN CORROSION/ IRRITATION:** Based on the available data and the known hazards of the components, this product is expected by calculation to exhibit Dermal Irritation.
- 11.3 SERIOUS EYE DAMAGE/ IRRITATION:** Based on the available data and the known hazards of the components, this product is expected to exhibit Eye Irritation or Serious Damage/Corrosivity.
- 11.4 RESPIRATORY OR SKIN SENSITISATION:** Based on the available data and the known hazards of the components, this product may cause an allergic skin reaction and is therefore expected to be a skin sensitiser. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.
- 11.5 GERM CELL MUTAGENICITY:** Based upon component data, this product is not expected to be mutagenic.
- 11.6 CARCINOGENICITY:** This product is not expected to be a carcinogen according to OECD Test 451, based on the available data and the known hazards of the components.
- 11.7 REPRODUCTIVE TOXICITY:** This product is not expected to be a reproductive hazard according to tests such as OECD Tests 414 and 421, based on the available data and the known hazards of the components.
- 11.8 SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:** There is no data available for the product as a whole. However, based on the available data and the known hazards of the components this product is rated as may cause drowsiness or dizziness. High concentrations of the product may cause central nervous system depression resulting in symptoms such as drowsiness, headaches, dizziness and nausea.
- 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE:** This product is not expected to cause organ damage from prolonged or repeated exposure according to tests such as OECD Tests 410 and 412, based on the available data and the known hazards of the components.
- 11.10 ASPIRATION HAZARD:** This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, due to the presence of the phenol component if swallowed, do NOT induce vomiting. If vomiting has occurred after ingestion the person should be observed to ensure that aspiration into the lungs has not occurred.
- 11.11 OTHER INFORMATION:** No additional data is available.



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## SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 ECOTOXICITY:** There is no data available for the product as a whole. However, based upon the raw material ingredient data, the product is expected to be rated as Chronic Aquatic Toxicity Category 2. Based upon component data, the product is expected to be rated as toxic to aquatic life with long lasting effects.
- Chlorocresol:  
EC<sub>50</sub> 48hr: 2.29 mg/L (Daphnia magna).  
LC<sub>50</sub> 48hr: 1.2 mg/L (Leuciscus idus).  
LC<sub>50</sub> 96hr: 0.9 mg/L (Oncorhynchus mykiss).  
EC<sub>50</sub> 96hr: > 10 mg/L (algae - Scenedesmus subspicatus).
- 2-Benzyl-4-chlorophenol:  
EC<sub>50</sub> 24hr: 1.5 mg/L (Daphnia magna).  
LC<sub>50</sub> 48hr: 0.5 mg/L (Leuciscus idus).  
LC<sub>50</sub> 96hr: 1.5 mg/L (Brachydanio rerio).  
EC<sub>50</sub> 72hr: 0.038 mg/L (algae - Scenedesmus subspicatus).
- 12.2 PERSISTENCE & DEGRADABILITY:** There is no data available for the product as a whole.
- 12.3 BIOACCUMULATIVE POTENTIAL:** There is no data available for the product as a whole.
- 12.4 MOBILITY IN SOIL:** There is no data available for the product as a whole.
- 12.5 OTHER ADVERSE EFFECTS:** There is no additional data available for the product as a whole.

## SECTION 13 – DISPOSAL CONSIDERATIONS

- 13.1 DISPOSAL METHODS:**
- PRODUCT:** The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations.
- CONTAINERS:** Empty containers may contain residual product. Caution: Residues are combustible and will ignite with a source of ignition. Containers should be completely drained in a well ventilated area where vapours cannot accumulate and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. As containers may contain combustible residues, they should not be pressurised, cut by a grinder, drilled or exposed to heat, flames or other sources of ignition. Closed containers when exposed to such conditions/treatment may explode causing serious injury.

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## SECTION 14 – TRANSPORT INFORMATION

This product is regulated for land, sea or air transportation.

### 14.1 LAND (ADG Code):

**UN NUMBER:** UN3082  
**UN PROPER SHIPPING NAME:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 4-Chloro-3-methylphenol, 2-Benzyl-4-chlorophenol).  
**TRANSPORT HAZARD CLASS(ES):** 9  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Marine Pollutant.  
**SPECIAL PRECAUTIONS FOR USER:** 179, 274, 331, 335, AU01  
**HAZCHEM CODE:** 3Z

### 14.2 SEA (IMDG):

**UN NUMBER:** UN3082  
**UN PROPER SHIPPING NAME:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 4-Chloro-3-methylphenol, 2-Benzyl-4-chlorophenol). Marine Pollutant  
**TRANSPORT HAZARD CLASS(ES):** 9  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Marine Pollutant.  
**SPECIAL PRECAUTIONS FOR USER:** Not applicable

### 14.3 AIR (IATA):

**UN NUMBER:** UN3082  
**UN PROPER SHIPPING NAME:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 4-Chloro-3-methylphenol, 2-Benzyl-4-chlorophenol).  
**TRANSPORT HAZARD CLASS(ES):** 9  
**PACKAGING GROUP:** III  
**ENVIRONMENTAL HAZARDS:** Marine Pollutant.  
**SPECIAL PRECAUTIONS FOR USER:** Not applicable

## SECTION 15 – REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS: APPLICABLE REGULATIONS:

**SUSMP:** Schedule 5 (S5).  
**AICS:** All ingredients are on the AICS List.  
**MONTREAL PROTOCOL:** No data available.  
**STOCKHOLM CONVENTION:** No data available.  
**ROTTERDAM CONVENTION:** No data available.  
**BASEL CONVENTION:** No data available.  
**INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):** No data available.

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## SECTION 15 – REGULATORY INFORMATION Continued

### OTHER REGULATORY INFORMATION:

**RISK PHRASES [NOHSC:1008]:**R10 - Flammable

R21/22 - Harmful in contact with skin and if swallowed.

R35 - Causes severe burns.

R36/38 - Irritating to eyes and skin.

R38 - Irritating to skin.

R41 - Risk of serious eye damage.

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R50/53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

R51/53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

R67 - Vapours may cause drowsiness and dizziness.

### **SAFETY PHRASES [NOHSC:1008]:**

S2 - Keep out of reach of children.

S9 - Keep container in a well-ventilated place.

S23 - Do not breathe mists/vapours/spray.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766).

S27/28 - After contact with skin, take off immediately all contaminated clothing, and wash thoroughly with soap and water and then methylated spirit if available.

S29 - Do not empty into drains.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, contact a doctor or the Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) immediately and show the container or label.

S51 - Use only in well-ventilated areas.

S57 - Use appropriate containment to avoid environmental contamination.

S62 - If swallowed, do NOT induce vomiting: seek medical advice immediately and show the container or label.

### **GHS CLASSIFICATION HAZARD CLASS & CATEGORY**

**AND HAZARD STATEMENT:** Flammable Liquids Category 3; H226 - Flammable liquid and vapour.

Flammable Liquid Category 4; H227 - Combustible liquid.

Acute Toxicity - Oral Category 4; H302 - Harmful if swallowed.

Acute Toxicity - Dermal Category 4; H312 - Harmful in contact with skin.

Skin Corrosion/Irritation Category 1A; H314 - Causes severe skin burns and eye damage.

Skin Corrosion/Irritation Category 2; H315 - Causes skin irritation.

Sensitisation - Skin Category 1; H317 - May cause an allergic skin reaction.

Serious Eye Damage/Irritation Category 1; H318 - Causes serious eye damage.

Serious Eye Damage/Irritation Category 2A; H319 - Causes serious eye irritation.

Specific Target Organ Toxicity (Single Exposure) Category 3; H336 - May cause drowsiness or dizziness.

Acute Aquatic Toxicity Category 1; H400 - Very toxic to aquatic life.

Chronic Aquatic Toxicity Category 1; H410 - Very toxic to aquatic life with long lasting effects.

Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.

Chronic Aquatic Toxicity Category 3; H412 - Harmful to aquatic life with long lasting effects.

**HSNO APPROVAL NUMBER:** Cleaning Products (Combustible) Group Standard 2006.

**HSNO GROUP TITLE:** HSR002525.

# SAFETY DATA SHEET

## SECTION 16 – ANY OTHER RELEVANT INFORMATION

### SDS INFORMATION:

Date of SDS Preparation: 4<sup>th</sup> November 2016

Revision: 0.1

REVISION CHANGES: Update New Zealand contact details.

### ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
R-Phrase	Risk Phrases
S-Phrase	Safety Phrases
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers & letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
AICS	Australian Inventory of Chemical Substances
TWA	Time-Weighted Average
STEL	Short term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals

### LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals  
Annex I: OECD Test Guidelines for Studies Included in SIDS  
Manual for the Assessment of Chemicals Chapter 2 Data Gathering  
International Toxicity Testing Guidelines  
Hazardous Substance Information System - Guidance Material for Hazard Classifications  
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Model Work Health and Safety Regulations.  
Model Work Health and Safety Regulations - Transitional Principles  
Workplace Exposure Standards for Airborne Contaminants  
Australian Dangerous Goods Code 7<sup>th</sup> Edition  
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]  
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations  
Assigning a Hazardous Substance to a Group Standard  
User Guide to the HSNO Thresholds and Classifications  
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances  
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories  
HSNO Control Regulations  
Record of Group Standard Assignment  
Labelling of Hazardous Substances Hazard and Precautionary Information  
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996  
Workplace Exposure Standards and Biological Exposure Indices

All information contained in this 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.

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