

**MATERIAL SAFETY DATA SHEET**

Issued: October, 2005

**SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product (material) name:** SPA KLEEN  
**Other Names:** Spa Clean  
**Recommended Use:** Spa Bath cleaner concentrate diluted with water for hard surface cleaning  
**Supplier Name:** CC Products Pty. Ltd.  
**Supplier Address:** 30-32 Boileau Street, Keysborough, Victoria 3173  
**Supplier Contacts**  
**Telephone:** (03) 9701 6055  
**Fax:** (03) 9701 5474  
**Emergency Contact:** Mobile: 0417354561  
**Website:** [www.ccproducts.com.au](http://www.ccproducts.com.au)

**SECTION 2 - HAZARDS IDENTIFICATION****Statement of Hazardous Nature:**

**This product is classified as: Not classified as hazardous according to the criteria of NOHSC Australia.**

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** Not Hazardous - No criteria found.

**Safety Phrases:** Not Hazardous - No criteria found.

**SUSDP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

**Emergency Overview**

**Physical Description & colour:** Clear liquid.

**Odour:** Slight lemon/orange fragrance.

**Major Health Hazards:** No significant risk factors have been found for this product.

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## Potential Health Effects

**Inhalation**

**Short term exposure:** Significant inhalation exposure is considered to be unlikely. However, the vapour maybe discomforting to the upper respiratory tract and may be harmful if inhaled.

**Long Term exposure:** The vapour is discomforting to the upper respiratory tract and may be harmful if inhaled. Inhalation may cause headache, dizziness and nausea.

**Skin Contact:**

**Short term exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

**Long Term exposure:** May burn skin if not washed off without delay. Irritating to skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Eye Contact:**

**Short term exposure:** Exposure via eyes is considered to be unlikely. This product is believed to be irritating, to eyes, but short term exposure is unlikely to cause anything more than mild transient discomfort.

**Long Term exposure:** Maybe corrosive to the eyes and is capable of causing severe conjunctivitis. Corneal damage may develop, with possible impairment of vision, if not promptly and adequately treated.

**Ingestion:**

**Short term exposure:** Significant oral exposure is considered to be unlikely. This product is unlikely to cause any severe irritation problems in the short term.

**Long Term exposure:** Maybe corrosive and harmful to the gastro-intestinal tract. Ingestion may result in nausea, abdominal irritation, pain, and vomiting. Capable of causing burns to the mouth, throat & oesophagus with extreme discomfort or pain if swallowed.

**Carcinogen Status:**

**NOHSC:** No data available.

**NTP:** No data available.

**IARC:** No data available.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Benzalkonium chloride	68989-00-4	<10	not set	not set
Alcohol	Secret	<5	not set	not set
Surfactant blend	Secret	<5	not set	not set
Other non hazardous ingredients	Secret	<5	not set	not set
Water	7732-18-5	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

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## SECTION 4 - FIRST AID MEASURES

**General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

**Inhalation:** First aid is not generally required. However, if risk or inhalation is severe remove person from area. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Immediately flush skin with water and continue to flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. Remove and wash contaminated clothing. If in doubt obtain medical advice.

**Eye Contact:** Immediately and gently blot or brush product away. Flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes or until the product is removed or until irritation has ceased, while holding the eyelid(s) open. Immediately obtain medical advice if irritation becomes painful or lasts more than a few minutes.

**Ingestion:** Immediately rinse mouth with water. Do not induce vomiting. Give water to drink. Seek medical advice.

## SECTION 5 - FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

This product is likely to decompose only after heating to dryness, followed by further strong heating. Thermal decomposition may produce toxic vapours of hydrogen, chloride, amines, carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Not Combustible. Use extinguishing media suited to burning materials.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Minor spills do not normally need any special clean up measures or emergency procedures. In the event of a major spill, prevent spillage from entering drains or water courses. If in doubt call the EPA. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

**Methods & Materials for Containment & Clean Up:** Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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**SECTION 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

As a minimum, wear overalls, protective glasses or goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Conditions for Safe Storage:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight and away from other chemicals. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**Exposure Limits**                      **TWA (mg/m<sup>3</sup>)** Not set                      **STEL (mg/m<sup>3</sup>)** Not set  
Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised. Wear a vapour mask if unsure.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Avoid contact with skin. Wear gloves. Routinely avoid contact with all chemical products and that at a minimum you should wear overalls and suitable gloves (preferably elbow-length) when handling this product.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical Description &amp; colour:</b>	Clear liquid.
<b>Odour:</b>	Slight lemon/orange fragrance.
<b>pH:</b>	7.0-7.5
<b>Vapour Pressure:</b>	2.37 kPa at 20°C (water vapour pressure).
<b>Vapour Density:</b>	No data.
<b>Boiling Point:</b>	Approximately 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Approximately 0°C.
<b>Solubility:</b>	Completely soluble in water.
<b>Specific Gravity:</b>	1.00 g/cm <sup>3</sup> approx.

**Information for flammable materials**

<b>Flash point and method of detecting flash point:</b>	Not flammable
<b>Upper and lower flammable (explosive) limits in air:</b>	Not flammable
<b>Ignition temperature:</b>	Not flammable

**Additional information**

*Specific heat value: No data*

*Particle size: No data*

*Volatile organic compounds (VOC) content: No data*

*Evaporation rate: No data*

*Viscosity: No data*

*Percent volatile: No data*

*Octanol/water partition coefficient: No data*

*Saturated vapour concentration (include reference temperatures): No data*

*Flame propagation or burning rate of solid materials: Not flammable*

*Properties of both flammable and non-flammable materials that may initiate or uniquely contribute: to the intensity of a fire (e.g. Class 4 or Class 5): Not flammable*

*Potential for dust explosion: No data*

*Reactions that release flammable gases or vapours: Not flammable*

*Fast or intensely burning characteristics: Not flammable*

*Non-flammables that could contribute unusual hazards to a fire, such as strong oxidizing and reducing agents or peroxide formers: No data*

*Release of invisible flammable vapours and gases: No data*

*Decomposition temperature: No data*

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## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Water solution. Chemically stable water soluble solution. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

**Conditions to Avoid:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

**Incompatible Material:** No particular incompatibilities. However, avoid (where possible) storing or transporting with Class 1 (explosives), Class 4.3 (dangerous when wet), Class 5.1 (oxidising agents), Class 5.2 (organic peroxides), Class 6 (poisonous substances), Class 7 (radioactive substances) food and packaging. with

**Hazardous Decomposition Products:** This product is likely to decompose only after heating to dryness, followed by further strong heating. Thermal decomposition may produce toxic vapours of hydrogen, chloride, amines, carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Hazardous Reactions:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Polymerisation:** This product is unlikely to undergo polymerisation processes.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Health effects from the likely routes of exposure:**

**Toxicity:** Benzalalkonium chloride LD50 oral (rat): 400mg/kg Merk Index

**Inhalation:** Not expected to cause respiratory irritation unless present as an aerosol, in which case respiratory irritation may result.

**Skin:** May burn skin if not washed off without delay. Irritating to skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Eye:** Maybe corrosive to the eyes and is capable of causing severe conjunctivitis. Corneal damage may develop, with possible impairment of vision, if not promptly and adequately treated.

**Ingestion:** Maybe corrosive and harmful to the gastro-intestinal tract. Ingestion may result in nausea, abdominal irritation, pain, and vomiting. Capable of causing burns to the mouth, throat & oesophagus with extreme discomfort or pain if swallowed.

**Target Organs:** There is no data to hand indicating any particular health effects on target organs.

## Classification of Hazardous Ingredients

**Ingredients:** None

No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations.

## SECTION 12 - ECOLOGICAL INFORMATION

Major ingredients in his product are biodegradable; will not accumulate in soil or water or cause long term problems.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal methods & containers:** Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. This product should be suitable for landfill. However, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering it's suitability for landfill. Please do NOT dispose into sewers or waterways.

## SECTION 14 - TRANSPORT INFORMATION

**UN Number:** None allocated

**UN Shipping Name:** None allocated

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**Class & Subsidiary risk:** None allocated. Not Hazardous

**Packing Group:** None allocated

**Special Precautions for user:** None. See section 5,6,7 & 8 for any associated handling and precautions.

**Hazchem code:** None allocated. Not Hazardous

**ADG Code:** This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

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**SECTION 15 - REGULATORY INFORMATION**

**AICS:** All of the significant ingredients in this formulation are to be found in the public AICS Database.

**SECTION 16 - OTHER INFORMATION**

This MSDS contains only safety-related information. For other data see product literature.

**Date of preparation or last revision of the MSDS:** 10 October, 2005

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>UN Number</b>	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

CC Products Pty. Ltd. 30-32 Boileau Street, Keysborough VIC 3173.