



Safety Data Sheet

Section 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Adsan CQD Concentrated Cleaner

Uses: Hard surface germicidal cleaner and deodoriser for use in automatic dispensers

Company: Ardrich Limited

Address: 31 Hannigan Drive
St Johns
Auckland, 1072, NZ

Telephone: +64 9 570 2861

Email: info@ardrich.co.nz

Emergency Phone No: 0800 764 766 (0800 POISON) **National Poison Centre (after hours)**

Section 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature: Hazardous Substance according to Environmental Protection Authority, New Zealand.

HSNO Classifications:

6.1E (oral) Acutely toxic

6.3A Irritating to the skin

6.4A Irritating to the eye

6.5A (respiratory) Respiratory sensitiser

6.5B (contact) Contact sensitiser

6.9B (dermal) Harmful to human target organs or systems

9.1B Very ecotoxic in the aquatic environment (fish, crustacean, algal)

9.3B Toxic to terrestrial vertebrates



Signal Words: Danger

Hazard Statement Codes

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H320 Causes eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Prevention Statements

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing mist/spray.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.



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P280 Wear protective gloves and eye protection.

P285 In case of inadequate ventilation wear respiratory protection.

Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Benzalkonium Chloride	8001-54-5	3
Non-ionic Surfactant	Proprietary Mixture	< 10
Citric Acid	77-92-9	< 10
Other ingredients determined to not be hazardous	-	to 100%

Section 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand. Call a POISON CENTRE or doctor if you feel unwell.

Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
Inhalation:	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
Ingestion:	If swallowed, do NOT induce vomiting. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.
Skin contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.
Notes to physician:	Treat symptomatically and supportively. Risk of aspiration to lungs. No specific antidote. Potential for chemical pneumonitis. Consider gastric lavage with protected airway, administration of activated charcoal. Dermatitis may result from prolonged or repeated exposure.

Section 5 – FIRE-FIGHTING MEASURES

Further advice:	Product is neither flammable nor combustible. Drums subject to the heat of a prolonged fire may explode scattering contents. Where possible remove drums and containers from the path of a fire, or cool with water spray. On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.
Extinguishing media:	Use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Do not discharge extinguishing waters into the aquatic environment.
Hazchem Code:	2X

Section 6 – ACCIDENTAL RELEASE MEASURES

Environmental Precautions	If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services.
Methods for Cleaning Up:	Spills on floors will produce a slippery surface. Signage preventing foot traffic should be erected where appropriate. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spilt product. Minor spills should be contained from drainage, diluted with water, neutralised where appropriate and removed with mops, or absorbed with, rags, paper, sand, or soil. It may be possible to drain small spills to town wastewater services where permitted by local authorities. Large spills - soak up with sand or other suitable absorbent. Collect into suitable containers for disposal. Wash the contaminated area with excess water. Do not release washings to the environment.



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Section 7 – HANDLING AND STORAGE

Exposure Controls: No data is available for the product. Ingredients do not have any exposure limits (WES).

Handling Precautions: Use outdoors or in a well-ventilated area. Do not breathe mist or spray.

Wear personal protective equipment. When handling bulk liquid, wear safety glasses or chemical goggles, chemically impregnable gloves, and protective work clothes (coat, apron or overalls). Wash hands with soap and water after handling.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material. However, exposure standards for constituents;

Material	TWA, mg/m ³	STEL, mg/m ³	Category/Notices
-	-	-	-

Engineering Controls: No controls required when handling small quantities. Use with adequate ventilation. Larger quantities: Ventilation should be used in accordance with good ventilation practices.

Protective Equipment: Gloves, safety glasses or chemical goggles are recommended in an industrial environment. If TWA is exceeded, wear an approved respirator with a type A filter.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Clear, colourless liquid.

Odour: Low

pH: About 4

Vapour Density: > 1 (Air =1)

Vapour Pressure, kPa: Not applicable

Boiling Point, °C: About 100.

Melting Point, °C: Not applicable.

Specific Gravity: 1.02

Refractive Index, Brix: 29.5

Flash Point, °C: Not applicable.

Autoignition Temperature, °C Not applicable

Relative Foam: High when diluted with water

Solubility: Soluble in water in all proportions.

Section 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage. Not reactive. Avoid oxidisers. Hazardous polymerisation will not occur. This product is not compatible with soap.

Section 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment: Information given is based on product testing, and/or similar products, and/or components.

Acute Oral Toxicity: LD₅₀ 4650 mg/kg, Rat (calculated from components). Relatively low toxicity.

Acute Dermal Toxicity: LD₅₀ 13,300 mg/kg, Rabbit (calculated from components). Relatively low toxicity.

Toxicity of components: Benzalkonium Chloride: Acute oral toxicity LD₅₀: Rat 1420 mg/kg, Mouse 150 mg/kg
Acute dermal toxicity LD₅₀ Rabbit 3418 mg/kg

Skin Irritation: May cause skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.



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Sensitisation: May cause skin and respiratory sensitisation.

Additional Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Section 12 – ECOTOXICITY INFORMATION

Ecotoxicity: Very toxic in aquatic environments with long lasting effects.

For Benzalkonium chloride: LC50 fathead minnow 0.28 mg/l 96 hr exposure. EC50 daphnia magna 0.006 mg/l 48 hr exposure.

Persistence/degradability: Expected to biodegrade in concentrations below 20 ppm.

Section 13 – DISPOSAL CONSIDERATIONS

Material Disposal: Minor spilled liquids (after neutralisation) may be disposed of through town wastewater systems where these are authorised for industrial use. Product wastes are considered ecotoxic and should be disposed of in accordance with applicable regional and national regulations.

Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

Container Disposal: Product containers are also considered wastes of the same class of the contents and should be disposed of in accordance with local legislation.

Section 14 – TRANSPORT INFORMATION

Transport: Not classified as a dangerous goods according to the NZ Land Transport Rule for road and rail, IMDG for sea, IATA for air.

Section 15 – REGULATORY INFORMATION

EPA Group Standard: Cleaning Products (Subsidiary Hazard) Group Standard 2006 HSR002530

Section 16 – OTHER INFORMATION

The information contained in this Safety Data Sheet is provided in good faith and is believed to be correct as at the date hereof. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. The Proprietor makes no representation as to the accuracy or comprehensiveness of the information. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of the use of the product are therefore assumed by the user and we expressly disclaim all warranties of any kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

End of msds.