

MATERIAL SAFETY DATA SHEET

Date of issue 24th March 2020

1. IDENTIFICATION OF SUBSTANCE & SUPPLIER

Product name: CRYSTAL CLEAN DISINFECTANT SANITISER

Other names: Concentrated disinfectant

Company Name: Kemikals Pty Ltd T/As Crystal Clean Solutions

Address: 9-11 Kelvin Road, Bayswater North, Vic, 3153

Phone: (03) 9761 5755

Fax: (03) 9761 5762

Recommended Use: Disinfecting and sanitising

Restrictions on use: This is a concentrated disinfectant product that when diluted as per recommendations is safe for consumers and other users under normal and reasonably foreseeable use.

Emergency Advice: Poisons Information Centre 13 1126

2. HAZARD IDENTIFICATION

ADG Classification: Dangerous goods according to Australian Dangerous Goods (ADG) Code

ADG CLASSIFICATION: Class 8 Corrosive Substance

SUSMP Classification: S6

Hazard statement: Classified as HAZARDOUS according to the criteria of Safe Work Australia (SWA). Xn Harmful, N Dangerous to the environment, C Corrosive.

GHS classification: Acute toxicity - oral. Category 4

Skin Corrosion/Irritation Category 1

Hazardous to aquatic environment. Short term acute. Category 1

HazChem code: 2X

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Hazard pictograms:

Signal word: DANGER

Hazard Statements:

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

Precautionary statements:

Prevention:

P102 Keep out of reach of children

P260 Do not breathe fumes, mist, vapours or spray

P262 Do not get in eyes, on skin or clothing

P264 Wash contacted areas thoroughly after handling.

P270 Do not eat, drink or smoke while using this product

P273 Avoid release to environment

P280 Wear protected gloves, protective clothing & eye or face protection.

Response:

P310 Immediately call a POISONS CENTRE 131 126, or doctor.

P363 Wash contaminated clothing before reuse

P301+P330+P353 If on skin or in hair, remove all contaminated clothing, rinse skin with water

P304+P340 If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P305 + P351 + P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

P370+P378 Not combustible, use extinguishing media suited for burning materials. Water fog or spray is preferred medium for large fires.

Storage: P411 Store at temperature below 30C Do not freeze
P402+P404 Store in a dry place. Store in closed container.

Disposal: P501 If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to land fill.

EMERGENCY OVERVIEW

Physical description: Liquid.

Colour: Green

Odour:

Major Health Hazards: Causes burns, harmful if swallowed.

Carcinogenic status:

No significant constituent is classified as carcinogenic.

3. COMPOSITION / INFORMATION ON CONSTITUENTS

Chemical Name:	CAS #	Proportion
Didecyl dimethyl ammonium chloride	7173-51-5	>5%
Benzalkonium chloride	68424-85-1	>5%
Biguanide	32289-58-0	<5%
Other constituents deemed non-hazardous & Commercial confident		>5%
Water		To 100%

4. FIRST AID MEASURES

General Information: Call the Poison Information Centre 13 1126, if you believe that you have been affected. Have a copy of this SDS with you when you call.

Swallowed: **DO NOT** induce vomiting rinse mouth with fresh water. Never give anything by mouth to an unconscious person. **Seek immediate medical attention.**

Eyes: Flush eyes with copious amounts of water for 20 - 30 minutes holding eyelids open. Remove contact lenses if present. **Seek immediate medical attention.**

Skin: Wash skin thoroughly with soap and water for 20 minutes. **Seek immediate medical attention**

Inhaled: Remove affected person from exposure to fresh air. If breathing becomes difficult give oxygen. If not breathing apply artificial respiration. Seek prompt medical assistance.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media: This material not flammable, extinguishing media suitable for burning materials.

Specific hazards: The major hazard in fires is the inhalation of heated or toxic fire gases.

Fire Fighting precautions: Fire fighters should wear full protective clothing & self-contained breathing apparatus to minimize exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Remove undamaged containers from the area when safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Minor spills do not normally require any special cleanup measures. **Wear full protective clothing when attending spills.** In the event of a major spillage prevent entry into the sewer, drainage system & waterways. Contain & collect with inert absorbent material such as sand or soil. Ensure disposal conforms to local waste disposal conditions.

7. HANDLING AND STORAGE

Storage & Transport: Store in a cool, dry, well ventilated area. Keep containers closed and tightly sealed when not in use.

Handling: Repeated or prolonged exposure to product without protective clothing should be avoided to prevent possible tissue damage. It is essential that those who come into contact with the product

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maintain a good standard of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or going to the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection: Wear chemical resistant clothing gloves, goggles or glasses. Wash hands after using.

The following WSA standards will provide general advice regarding safety clothing & equipment. Respiratory equipment: AS/NZA 1715

Protective gloves: AS 2161

Industrial clothing: AS 2919

Eye protection: AS 1336, AS/NZS 1337

Protective footwear: AS/NZS 2210

SWA Exposure Limits: **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Exposure Standards: As with all chemicals, exposure should be kept to a minimum.

Engineering Controls: Use only in a well-ventilated area. Provide sufficient ventilation. Use exhaust ventilation if required.

Flammability: Product is non-flammable

9. IDENTIFICATION

Physical Description/ Chemical Properties

Appearance: Liquid

Colour:

Odour:

pH: 6.5 – 8.5

Vapour Pressure (mmHg @20C): No data available.

Vapour Density (air = 1): No data available.

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Boiling Point: 100C approx.

Freezing/Melting Point: <0C.

Solubility in Water: Completely soluble.

Specific Gravity (gm/ml @20C): 0.99 – 1.02

Flash Point: No data available

Flammability Limits (%): No data available.

Auto Ignition Temperature: Does not burn.

Percent Volatiles: No data available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use & storage.

Materials to Avoid: Strong acids, Strong oxidizing agents.

Fire decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally associated with fires.

11. TOXICOLOGICAL INFORMATION

Local Effects Target Organs:

There is no data to hand indicating any particular organs.

Classification of Hazardous Ingredients

Didecyl dimethyl ammonium chloride >5% conc. <10% Xi R36/38

Acute toxicity: Category 4

Skin corrosion: Category 1B.

Acute oral LD50 (mouse) 258mg/kg

Carcinogenicity Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is very toxic to aquatic organisms> Do not allow product to enter sewers, drains or waterways.

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Benzalkonium chloride, EC50 (48hr) *Daphnia Magna* = 0.016mg/L

Biodegradability: Not readily biodegradable

13. DISPOSAL CONSIDERATIONS

Disposal Methods: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for intended use. If it has been contaminated it may be possible to separate the contamination in some way. If neither option is suitable it is recommended that a specialist disposal company be engaged to arrange disposal.

14. TRANSPORT INFORMATION

CLASSIFIED AS DANGEROUS GOODS

UN Number: 1903 **Proper Shipping Name:** DISINFECTANT, LIQUID CORROSIVE N.O.S.

D/G Class: 8 Corrosive Substances **Special Provisions:** 274

Packing Group: 11 **HazChem Code:** 2X

15. REGULATORY INFORMATION

Poison schedule: S6

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

16. OTHER INFORMATION

Date of Preparation: 24th March 2020

Issue Date: 28th March 2020

Supersedes:

Reason for Update: New product release to comply with Global Harmonized System.

The information sourced for the preparation of this document was correct and complete at the time of writing, to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its intended use, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this product.