

SAFETY DATA SHEET



C-Tec Fresh LeCitrus Disinfectant

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: C-Tec Fresh LeCitrus Disinfectant

OTHER NAMES: C-Tec Fresh LeCitrus Disinfectant
RECOMMENDED USE: Disinfectant

SUPPLIER NAME: 2CARE PRODUCTS
ADDRESS: 9 Donnor Place
Mt Wellington
AUCKLAND

Phone: 0800 753 753
Fax: (09) 574 5999

Emergency Telephone: 0800 764 766 NEW ZEALAND NATIONAL POISON CENTRE

2. HAZARD(S) IDENTIFICATION

GLOBALLY HARMONISED SYSTEM

HAZARD CLASSIFICATION NON-HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

HAZARD CATEGORIES Skin Corrosion/Irritation Category 2
Serious Eye Damage/Irritation Category 2A
Skin Sensitization Category 1
Aquatic Toxicity (Acute) Category 3

PICTOGRAMS



SIGNAL WORD

WARNING

HAZARD STATEMENTS

H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H319 – Causes serious eye irritation.
H402 – Harmful to aquatic life.

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PRECAUTIONARY STATEMENTS

PREVENTION

P102 – Keep out of reach of children.
P103 – Read label before use.
P104 – Read Safety Data Sheet before use.
P261 – Avoid breathing fumes.
P264 – Wash hands thoroughly after handling.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P273 – Avoid release to the environment.
P280 – Wear protective gloves, clothing and eye/face protection.

RESPONSE

P101 – If medical advice is needed, have product container or label at hand.
P321 – **WASH** affected areas well with water.
P362 – Take off contaminated clothing and wash before re-use.
P363 – Wash contaminated clothing before reuse.
P302 + P352 – **IF ON SKIN:** Wash with plenty of soap and water.
P305 + P351 + P338 – **IF IN EYES:** Rinse cautiously for several minutes. **REMOVE** contact lenses if present and safe to do so. Continue rinsing.
P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 – If eye irritation persists get medical advice/attention.

STORAGE

DISPOSAL

P501 – Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

HSNO CLASSIFICATIONS

Toxicity Hazards

6.3A Substances that are irritating to the skin.
6.4A Substance that are irritating to the eye.
6.5B Substances that are contact sensitizers.

Environmental Hazards

9.1D Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Benzalkonium Chloride	C ₁₇ H ₃₀ ClN	68424-85-1	< 4%
Fragrance		Proprietary	< 1%
Non-Hazardous ingredients			< 15%
Water	H ₂ O	7732-18-5	Balance

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4. FIRST AID MEASURES

INGESTION	DO NOT induce vomiting. Rinse mouth. Call NZ POISON CENTER or doctor/ physician if you feel unwell.
EYE CONTACT	IMMEDIATELY flush eyes with copious amounts of water for at least 20 minutes while holding eyelids open. Remove contact lenses if able to do so. If irritation persists seek medical advice.
SKIN CONTACT	REMOVE contaminated clothing. IMMEDIATELY wash the contaminated skin thoroughly with soap and water. If irritation occurs seek medical advice.
INHALATION	Seek medical help. Remove victim from exposure to fresh air. Provide emergency airway support if necessary. TRANSPORT to emergency medical facility without delay.
SAFETY MEASURES	Eye baths or a source of potable water should be available to rinse eyes.
PHYSICIAN NOTES	Treat symptomatically based on judgement of doctor and individual reactions of patient. Give 100% humidified supplemental oxygen with artificial respiration if patient breathing is compromised.

5. FIRE FIGHTING METHODS

GENERAL MEASURES	Clear fire area of all personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
FLAMMABILITY CONDITIONS	Product is not combustible.
EXTINGUISHING MEDIA	Use extinguishing media appropriate for surrounding fire.
HAZARDOUS PRODUCTS OF COMBUSTION	In the event of fire toxic fumes may be produced by burning packaging.
SPECIAL FIRE FIGHTING INSTRUCTIONS	DO NOT allow spillage or firefighting water to reach waterways, drains or sewers. Use fire-fighting procedures suitable for surrounding area.
PERSONAL PROTECTIVE EQUIPMENT	Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (including Helmet, Coat, Trousers, Boots and Gloves or chemical splash suit).
HAZCHEM CODE	No information available.

6. SPILLAGE/ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE	Clear area of all unprotected personnel. Allow only trained personnel wearing appropriate protective equipment to be involved in spill response. Contain spill immediately, avoid further accidents, clean up immediately.
CLEAN UP PROCEDURES	Contain spill, prevent discharge into soil or watercourses/drains. Absorb spill with sand, or earth. Transfer saturated material to suitable, labelled DRY containers for disposal.
CONTAINMENT	Stop leak if safe to do so. Contain spill immediately with bunding.
DECONTAMINATION	Wash area down with water and collect washings for disposal.

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ENVIRONMENTAL PRECAUTIONARY MEASURES Prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise the Environmental Protection Authority and/or your local Waste Authority.

EVACUATION CRITERIA Evacuate all non-essential personnel.

PERSONAL PRECAUTIONARY MEASURES Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

HANDLING Ensure an eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Do not smoke, eat or drink when handling product. Always remove contaminated clothing and wash hands after handling or before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

STORAGE Store upright in the original container in a locked, cool, dry, well-ventilated protected area out of direct sunlight and away from foodstuffs. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Do not combine part containers of the same product.

CONTAINER Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL No information available.

EXPOSURE LIMITS No information available.

BIOLOGICAL LIMITS No information available on biological limit values for this product.

ENGINEERING MEASURES General exhaust is adequate under normal operating conditions. Provide eyewash stations.

PERSONAL PROTECTIVE EQUIPMENT
RESPIRATOR If determined an inhalation risk is present. Use a P2 grade valved disposable mask which is suitable for organic vapours and conforms to the requirements of AS1715/1716).

EYES Use splash proof safety goggles, and/or if necessary an appropriate full-face shield that conform to AS1336/1337.

HANDS Any Gloves approved for chemical hazards that conform to AS2161.

CLOTHING Trousers, Long sleeved shirt and closed shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE Liquid

APPEARANCE Free flowing

COLOUR Yellow

ODOUR Lemon

pH 6.0 – 7.0

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DENSITY	No Data Available.
BOILING POINT	No Data Available.
FREEZING POINT	No Data Available.
SOLUBILITY	Complete in water.

10. STABILITY AND REACTIVITY

GENERAL INFORMATION	Stable under normal conditions of use.
CHEMICAL STABILITY	The substance is stable under normal environmental and foreseeable conditions during storage and handling.
CONDITIONS TO AVOID	Avoid contact with foodstuffs. Do not combine part drums of the same product.
MATERIALS TO AVOID	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	The packaging material may burn to emit noxious fumes.

11. TOXICOLOGICAL INFORMATION

ORAL	Benzalkonium Chloride LD ₅₀ – 344mg/kg (Rat). Chemcolour Harmful by ingestion. Can cause nausea, diarrhoea, abdominal pain.
DERMAL	Benzalkonium Chloride LD ₅₀ – 3340mg/kg (Rat). Chemcolour May cause irritation and redness to skin.
INHALATION	In acute case's pulmonary oedema resulting from aspiration, dyspnoea and cyanosis due to paralysis of the respiratory muscles, bronchoconstriction, cough can occur.
EYE	Causes serious eye irritation.
CARCINOGENICITY	No information available.
MUTAGENICITY	No information available.
REPRODUCTIVE	No information available.
TARGET ORGAN	No information available.
LONG TERM	No information available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	LC ₅₀ – 0.0322mg/L	Pimephales promelas (Fathead Minnow – Chronic) 34d
	LC ₅₀ – 0.28 mg/L	Pimephales promelas (Fathead Minnow) 96h
	EC ₅₀ – 0.0059 mg/L	Daphnia magna (Water Flea) 48h
	EC ₅₀ – 0.08mg/L	Scenedesmus pannonicus (Green Algae) 72h

Considered to be harmful to the aquatic environment.

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PERSISTENCE / DEGRADABILITY	Readily Biodegradable.
MOBILITY	Completely soluble in water.
ENVIRONMENTAL FATE	Do not allow drainage into sewer, streams or storm water systems.
BIOACCUMULATION POTENTIAL	Low risk of Bioaccumulation.
ENVIRONMENTAL IMPACT	Highly ecotoxic to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	Dispose of in accordance with all local, regional and national regulations. All empty packaging should be disposed of in accordance with local, regional, and national regulations or recycled/reconditioned at an approved facility.
SPECIAL PRECAUTIONS FOR LANDFILL	Containers should be rinsed then disposed of in compliance with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

14. TRANSPORT INFORMATION

LAND TRANSPORT NEW ZEALAND (NZS5433)

Not classified as a Dangerous Good by NZS5433:2012 for transport by Road and Rail

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
SPECIAL PROVISIONS	No Data Available

SEA TRANSPORT (IMDG)

Not classified as a Dangerous Good by the International Maritime Dangerous Good Code (IMDG) for transport by sea.

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
EMS	No Data Available
MARINE POLLUTANT	No Data Available
SPECIAL PROVISIONS	No Data Available

AIR TRANSPORT (IATA)

Not classified as a Dangerous Good by the international Air Transport Association (IATA) for transport by air

PROPER SHIPPING NAME	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS.
UN NUMBER	No Data Available
CLASS	No Data Available
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	No Data Available
HAZCHEM	No Data Available
SPECIAL PROVISIONS	No Data Available

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15. REGULATORY INFORMATION

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

Hazardous Substances & New Organisms Act 1996

APPROVAL CODE	HSR002530 – Cleaning Products (Subsidiary) Group Standard 2006
HSNO CLASSIFICATIONS	6.3A, 6.4A, 6.5B, 9.1D
APPROVED HANDLER	Not Required
NZIOC	Listed

16. OTHER INFORMATION

REVISION NUMBER	2 – New Issue
ISSUE DATE	15 th September 2017
In any event the review and if necessary re-issue of an SDS shall be no longer than 5 years after the last date of issue	

KEY/LEGEND	AS1336/1337	Industrial Eye Protection – Metric Units (Standards Australia).
	AS1715/1716	Respiratory Protection Devices – Metric Units (Standards Australia).
	AS2161	Industrial Safety Gloves and Mittens (Standards Australia).
	CAS	Chemical Abstracts Service.
	CCID	Chemical Classification and Information Database.
	EC ₅₀	Concentration which induces a response halfway between the baseline and maximum.
	EMS	IMDG Emergency Schedule.
	EPG	Emergency Procedures Guide.
	GHS	Globally Harmonised System.
	HSNO	Hazardous Substances and New Organisms.
	IMDG	International Maritime Dangerous Goods.
	LC ₅₀	Concentration required to kill half the members of a tested population after a specified duration.
	LD ₅₀	Dosage required to kill half the members of a tested population after a specified duration.
	NOEC	No Observed Effect Concentration
	NZIOC	New Zealand Inventory of Chemicals
	SDS	Safety Data Sheet
	UN No.	UN Nations Number
	WES-Ceiling	Concentration that should not be exceeded at any time during any part of the working day

REFERENCES	ACGIH - American Conference of Governmental Industrial Hygienists
	Workplace Exposure Standards-and Biological Exposure Indices – WorkSafe New Zealand
	TOXNET – ChemIDPlus Database
	IMDG Appendix B List of Marine Pollutants
	IMDG Emergency Fire and Spill Codes
	RTECS – Registry of Toxic Effects of Chemical Substances (maintained by US-CDC)
	UN Recommendations on the Transport of Dangerous Goods Volume 1 (17 th Edition) Part 3

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and how to safely handle and use the product in the work place. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the company.

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 upon request.

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