

DISINFECTANT CONCENTRATE

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Identifier

Product Name	ECO Group Disinfectant Concentrate
Synonyms	Not Available
Proper Shipping Name	Disinfectant Concentrate
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	Disinfectant
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Details of the supplier of the safety data sheet


Registered company name	ECO Group New Zealand Limited
Address	22 Cherokee Place, Mount Maunganui, 3116, New Zealand
Telephone	+64 7 5424608
Fax	None
Website	www.ecogroupnz.com
Email	info@ecogroupnz.com

Emergency telephone numbers

Association/ Organisation	New Zealand National Poison information centre
Emergency telephone number	0800 764 766
Other emergency telephone numbers	New Zealand emergency services 111

SECTION 2 – HAZARDS IDENTIFICATION

Label pictograms

GHS label elements	
Signal Word	DANGER

Hazard statement (s)

HSNO	Hazard Code	GHS Category	Hazard Statement
6.1E	H 333	Category 1	Aspiration Hazard
6.5A	H 334	Category 1	Respiratory sensation
6.5B	H 317	Category 1	Skin sensation

6.9B	H 335	Category 1	Specific target organ toxicity
8.3A	H 318	Category 1	Can cause serious eye damage
9.1C	H 433	Category 3	Harmful to the aquatic environment

Precautionary statements prevention

P101	If medical advice is needed have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P264	Wash hands thoroughly after use
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/eye protection/face protection

Precautionary statement responses

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P304 + P341	IF INHALED; if breathing becomes difficult remove to fresh air and keep at rest in a position comfortable for 15 minutes.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	If on skin wash with plenty of water
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before re-use
P314	Get medical advice if you feel unwell
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary statement storage

P402 + P404	Store in a dry place. Store in a closed container
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Precautionary statement disposal

P501	Disposal should be through a suitably qualified contractor
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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

CAS Number	% (weight)	Name
8001 – 54 - 5	< 25.00	Alkyl Dimethyl Benzyl Ammonium Chloride 50%
9005 – 64 - 5	< 5.00	Polyoxyethylene Sorbitan Monolaurate
	To 100%	Other material including water

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Eye contact	<p>If this product comes in contact with eyes</p> <ul style="list-style-type: none"> ➤ Wash out immediately with water ➤ If irritation continues seek medical advice ➤ Removal of contact lenses after an eye injury should only be undertaken by
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	skilled personnel
Skin contact	<p>If skin or hair contact occurs</p> <ul style="list-style-type: none"> ➤ Flush skin and hair with running water (and soap if available) ➤ Seek medical attention in event of irritation
Inhalation	<ul style="list-style-type: none"> ➤ If fumes, aerosols or combustion products are inhaled remove from the contaminated area to a well ventilated area ➤ Other measures are usually unnecessary
Ingestion	<ul style="list-style-type: none"> ➤ If swallowed do not induce vomiting ➤ If vomiting does occur, lean patient forward or place on left side (head down position if possible) to maintain an open airway and prevent aspiration ➤ Observe the patient carefully ➤ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Do not give anything by mouth to an unconscious person ➤ Seek medical advice

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

- Dry chemical powder
- BCF (where regulations permit)
- Carbon dioxide
- Water spray or fog – large fires only

Special hazards arising from the substrate or mixture

Fire incompatibility	Disinfectant Concentrate is non flammable or explosive and will not support combustion
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Advice for fire fighters

Fire fighting	<ul style="list-style-type: none"> ➤ Alert fire brigade and tell location and nature of hazard ➤ Wear breathing apparatus plus protective gloves in the event of a fire ➤ Prevent spillage from entering the waterways or drains ➤ Consider evacuation (or protect in place) ➤ Fight the fire from a safe distance and adequate cover ➤ If safe switch off electrical equipment until fire hazard removed ➤ Use water delivered as a fine spray to control the fire
Fire/explosion hazard	<ul style="list-style-type: none"> ➤ Liquids and vapours are not flammable ➤ No fire hazard when exposed to heat, flame, and or oxidisers ➤ Vapour may travel a considerable distance but is not explosive

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	<ul style="list-style-type: none"> ➤ Remove all contamination sources ➤ Clean up spills immediately ➤ Avoid contact with skin and eyes ➤ Contain and absorb small quantities with absorbent material ➤ Wipe up ➤ Collect residue in a waste container
Major spills	<ul style="list-style-type: none"> ➤ Clear area of personnel and move upwind ➤ Alert fire brigade and tell them location and nature of hazard ➤ This product is not explosive ➤ Prevent spillage from entering the waterways or drains ➤ Consider evacuation (or protect in place)

	➤ Increase ventilation
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SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling


Safe Handling	<ul style="list-style-type: none"> ➤ Wear protective gloves ➤ Prevent concentration in hollows and sumps ➤ Do not enter confined spaces until atmosphere has been checked ➤ When handling do not eat, drink or smoke
Other information	<ul style="list-style-type: none"> ➤ Store containers in approved areas ➤ Store away from incompatible materials in a dry cool well ventilated area ➤ Protect containers from damage and check regularly for leaks ➤ Observe manufacturers storage and handling documentation advice

Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> ➤ Polyethylene and polypropylene containers ➤ Packing as supplied by manufacturer ➤ Plastic containers may only used if approved by manufacturer ➤ Check containers are clearly labelled and free from leaks
Storage incompatibility	➤ Avoid strong acids

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level protection.</p> <p>The basic controls are:</p> <p>Process controls which involve changing the job activity or process to reduce risk</p> <p>Enclosure and or isolation source control keeping workers physically safe</p> <p>Ventilation that strategically adds and removes air in work environment.</p> <p>Ventilation can remove or dilute an air contaminant if designed properly</p> <p>For flammable liquids and flammable gases, local exhaust or process enclosure ventilation may be required.</p>
Personal protection	
Eye and face protection	<ul style="list-style-type: none"> ➤ Safety glasses with side shields ➤ Chemical goggles ➤ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials. ➤ Medical personal should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation
Skin protection	Wear general protective gloves e.g. light weight rubber gloves
Hand / feet protection	As above for hands; wear appropriate footwear for the environment
Body protection	Overalls or PVC Aprons
Other protection	<ul style="list-style-type: none"> ➤ Eyewash facilities ➤ Ensure there is ready access to a safety shower
Thermal hazard	Not available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear to Blue Liquid	Relative density (Water = 1)	1.0
Odour	Lemon Citrus	Auto ignition temperature	Not available
Odour threshold	Not Available	Decomposition temperature	Not available
pH	7.0 +/- 0.5	Viscosity	Not available
Melting point (°C)	Not Available	Molecular weight (g/mol)	Not available
Boiling point (°C)	Not Available	Taste	Not available
Flash point (°C)	Not Available	Explosive properties	Not available
Evaporation point	Not Available	Oxidising properties	Not available
Flammability	Not flammable	Volatile component (% vol)	Not available
Solubility in water	Miscible	Gas group	Not available
Vapour Density	Not available	VOC g/l	Not Available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul style="list-style-type: none"> ➤ Stable in the presence of incompatible materials ➤ Product is considered stable ➤ Hazardous polymerisation will not occur
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	Not hazardous even when decomposition occurs

SECTION 11 – TOXICOLOGICAL INFORMATION

Inhaled	The material is not thought to produce adverse health effects or inhalation of the respiratory tract in normal conditions. Nevertheless good hygiene practice that exposure be kept to a minimum and that suitable control measures be used in an occupational setting	
Ingestion	Effects on the body if ingestion occurs	
	Blood concentration	Effects
	Mild	Mild impaired vision, co ordination and reaction times. Emotional instability
	Moderate	Moderate slurred speech, confusion, emotional instability, disturbances in perception and senses with possible blackouts and impaired objective performance in standardized tests. Possible double vision, flushing and a fast heart rate, sweating and incontinence. Central nervous system depression may progress to coma
	Severe	Severe cold clammy skin, low body temperature and low blood pressure. Depression of breathing may occur, respiratory failure may follow serious poisoning, and choking on vomit may result in lung inflammation and

		swelling.
Skin contact	The material is not thought to produce adverse health effects or skin irritation following contact. Nevertheless good hygiene practice requires that the exposure be kept to a minimum	
Eye	Although the material is not thought to be an extreme irritant direct contact with the eye may cause discomfort characterised by the eye tearing and conjunctive redness	
Chronic	Long term exposure to the product is not thought to produce chronic effects adverse to your health. Nevertheless exposure to the product should be monitored.	

ECO Group Disinfectant Concentrate	The material may cause skin irritation with prolonged or repeated exposure and may produce on contact skin redness, swelling the production of vesicles, scaling and thickening of the skin
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SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Disinfectant Concentrate	This product is aerobically biodegradable. (Diluted) This product is an aerobically biodegradable (Diluted)
Ecological Toxicity	This product is harmful if used incorrectly, follow manufacturer's instructions
Degradability	Soil Biodegradable
	Water Biodegradable at diluted limits
Environmental Exposure Limits	Not set

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	<ul style="list-style-type: none"> ➤ It may be necessary to collect all wash water for treatment before disposal ➤ In all case disposal to sewer may be subject to local laws and regulations and these should be considered first ➤ If in doubt contact the responsible authority ➤ Contact manufacturer for recycling options or consult local or regional waste management authority for disposal ➤ Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed
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SECTION 14 – TRANSPORT INFORMATION

Labels required

	None
Marine Pollutant	Not applicable
HAZCHEM	None

Land transport (ADG)

UN Number	None
Packing group	None
UN proper shipping name	Not applicable
Environmental hazard	Not applicable
Transport hazard classes	Not applicable
Special precautions for user	Not applicable

Air transport (ICAO-IATA / DGR)

UN Number	None
Packing group	None
UN proper shipping name	Not applicable
Environmental hazard	Not applicable
Transport hazard classes	Not applicable
Special precautions for user	Not applicable

Sea transport (IMDG / GGVSee)

UN Number	Not applicable
Packing group	None
UN proper shipping name	Not applicable
Environmental hazard	Not applicable
Transport hazard classes	Not applicable
Special precautions for user	Not applicable

Transport in bulk according to Annex II of Marpol and the IBC Code - Not applicable

SECTION 15 – REGULATORY INFORMATION

Safety, health and environment regulations / legislation specific for the substance or mixture

HSNO Approval Number	HSR002530
Group Standard	Cleaning Products (Subsidiary Hazard) Group Standard 2006
HSNO Classification	6.1E 6.5A 6.5B 6.9B 8.3A 9.1C
MPI Approval	C 32 (all animal product except dairy)

SECTION 16 – OTHER INFORMATION

While ECO Group New Zealand in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, ECO Group New Zealand accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

New Zealand National Poison Information Centre: 0800 764 766
New Zealand Emergency Services: 111
ECO GROUP New Zealand Limited: +64 7 5424608