EstaCore™
Powered by Ester Bio

Disinfectant Cleaner

Concentrated hospital-grade disinfectant cleaner



Built for high compliance cleaning.

EstaCore is engineered for environments where critical hygiene and regulatory compliance are non-negotiable. It delivers hospital-grade disinfection with a lower-risk chemistry platform designed to reduce chemical burden without compromising performance.

Why choose EstaCore Disinfectant Cleaner:

- **Hospital-grade disinfection:** Kills 99.9% of bacteria and viruses. Independently tested to EN 1276 & EN 14476
- **High-compliance performance:** Designed for professional environments with demanding hygiene and regulatory requirements
- **Highly concentrated:** General use at just 10 mL per litre of water
- **Powered by Ester Bio:** Superior performance. Safer chemistry. Lower risk.
- **Lower chemical burden:** Designed to reduce toxic load and airborne exposure

Technical information	
General use	General use 1:100 – 10 mL per litre of water. Heavy soiling 1:50 – 20 mL per litre. pH approx. 7.0 as concentrate, neutral. Cleans and disinfects.
Directions	Shake well, dilute and mix thoroughly, and label the container. To clean and disinfect in one step, apply and leave visibly wet for 5 minutes before wiping with a clean cloth. On heavy soil, wipe the surface down first, then reapply for the full 5 minutes. If a non-Ester Bio detergent was used first, rinse with clean water before applying – detergent residue deactivates EstaCore. Use a fresh cloth per area or per room.
Safe for	Sealed floors and walls, glazed tiles, slate, sealed and unsealed concrete, sealed and finished timber, urinals and toilet pans, drains and gullies, sinks and hand basins, rubbish bins, cleaning equipment and toilet brushes, plastic, vinyl, and stainless steel fixtures with a clean-water rinse afterwards.
Cautionary use, spot test recommended	Aluminium and rubber components, seals and gaskets. Waxed and oiled timber. Painted and powder-coated surfaces. Acrylic, perspex, gloss cabinetry, sealed marble, limestone, travertine and terrazzo.
Do NOT use on	Raw or unsealed timber. Unsealed cork. Unsealed grout. Unsealed marble, limestone, travertine or terrazzo.

Ester BioScience
Superior performance.
Safer chemistry.
Lower risk.

MADE IN NEW ZEALAND

2 RECYCLABLE CONTAINER

APPROVED MPI C32 All animal product except dairy

Version 1.2 Issue date 18/08/2026

ESTACORE - DISINFECTANT CLEANER

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

Product Identifier

Product Name	EstaCore Disinfectant Cleaner
Synonyms	Not Available
Proper Shipping Name	EstaCore Disinfectant Cleaner
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	Disinfectant

Details of the supplier of the safety data sheet

Registered company name	Ester Bioscience Limited
Address	Suite 16264, Unit A Level G, 26 Hobson Street, Auckland City 1010
Telephone	
Website	
Email	

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 comfortable position 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

Precautionary statement disposal

P501	Disposal should be through a suitably qualified contractor

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Name	CAS Number	% (weight)	Classification (GHS)
Benzalkonium Chloride 50%	8001 – 54 – 5	< 25.00	Eye Irritant Class 2 | Skin Irritant Class 2 | Ecotoxic
Proprietary Ester (EsterBio™)		< 5.00	
Polysorbate 20	9005 – 64 – 5	< 5.00	Eye Irritant Class 2
Fragrance		< 5.00	
Other material including water	7732 – 18 – 5	To 100%	

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Eye contact	If this product comes in contact with eyes ➢ Wash out immediately with water ➢ If irritation continues seek medical advice ➢ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel
Skin contact	If skin or hair contact occurs ➢ Flush skin and hair with running water (and soap if available) ➢ Seek medical attention in event of irritation
Inhalation	➢ If fumes are inhaled remove from the contaminated area to a well ventilated area ➢ Other measures are usually unnecessary
Ingestion	➢ 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

Advice for fire fighters

Fire fighting	➢ 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	➢ Liquids and vapours are not flammable ➢ No fire hazard when exposed to heat, flame, and or oxidisers

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	➢ Put on chemical splash goggles, chemical-resistant gloves and overalls before approaching. This product is corrosive and is a skin and respiratory sensitiser ➢ Do not allow the spill to reach drains, stormwater or waterways ➢ Contain and absorb with inert absorbent material such as sand, earth or absorbent pads ➢ Collect into a labelled, sealable container for disposal ➢ Wash the area with water and collect the washings. Do not hose to drain ➢ Ventilate the area

Major spills	➢ Clear personnel from the area, restrict access, and approach from upwind ➢ Put on chemical splash goggles, chemical-resistant gloves, overalls and boots. Use respiratory protection if ventilation is poor or if the product has been sprayed or misted ➢ Stop the source if it is safe to do so, and bund or dyke to contain the spill ➢ Prevent entry to drains, stormwater and waterways. This product is harmful to aquatic life (HSNO 9.1C) and a release to water may be notifiable to the regional council ➢ Pump or absorb into labelled containers for disposal by a licensed waste contractor ➢ Do not discharge wash water to sewer without the approval of the trade waste authority ➢ If the release cannot be stopped or contained on site, call 111 and advise that the product is a corrosive, ecotoxic quaternary ammonium disinfectant

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Safe Handling	➢ 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	➢ 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	➢ 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	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. The basic controls are: Process controls which involve changing the job activity or process to reduce risk Enclosure and or isolation source control keeping workers physically safe Ventilation that strategically adds and removes air in work environment. Ventilation can remove or dilute an air contaminant if designed properly For flammable liquids and flammable gases, local exhaust or process enclosure ventilation may be required.
Personal protection	

Eye and face protection	➢ 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	➢ 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 (^{o}C)	Not Available	Molecular weight (g/mol)	Not available
Boiling point (^{o}C)	Not Available	Taste	Not available
Flash point (^{o}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	Reactive with strong acids.
Chemical stability	Highly stable
Possibility of hazardous reactions	Materials like bleach (hypochlorites) and peroxides can break down BAC or cause dangerous reactions
Conditions to avoid	Avoid oxidisers
Incompatible materials	Incompatible with rubber, aluminium
Hazardous decomposition products	Hazardous when heated producing Hydrogen chloride gas, Nitrogen oxides, Carbon monoxide and Carbon dioxide Ammonia

SECTION 11 – TOXICOLOGICAL INFORMATION

General Information	Alkyl Dimethyl Benzyl Ammonium Chloride 50% - **Oral (rat):** LD_{50} ≈ **240 mg/kg** **Dermal:** LD_{50} reported around **1,000–2,000+ mg/kg** (harmful in contact with skin, Cat. 4).
Inhaled	The material is not thought to produce adverse health effects or inhalation of the respiratory tract. Nevertheless good hygiene practice that exposure be kept to a minimum and that suitable control measures be used in an occupational setting

Ingestion	The material is not thought to produce adverse health effects
Skin contact	The material is a skin irritation following contact. Keep exposure be kept to a minimum
Eye	This material is an extreme irritant direct contact with the eye may cause discomfort characterised by the eye tearing and conjunctive redness. Seek medical advice immediately
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.
Chronic Effects	No information available
Irritation/Corrosion	Skin allergy and irritation
Carcinogenic Effects	Not a suspected carcinogen
Mutagenic Effects	Not suspected of causing genetic defects
Reproductive or Developmental Effects	Not suspected to cause any reproductive or developmental effects

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	➢ 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

SECTION 14 – TRANSPORT INFORMATION

Labels required

Marine Pollutant	Not applicable
HAZCHEM	None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG.

Not classified as a Dangerous Good under NZS 5433:2020 Transport of Dangerous Goods on Land

Special precautions: Avoid leakage/splash during transport

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	C32 — Cleaner (not for use in food or edible areas) C43 — Cleaner (for use in regulated food processing, preparation, and storage facilities)

SECTION 16 – OTHER INFORMATION

While Ester BioScience 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, Ester BioScience 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