Puresta™
Powered by Ester Bio

Floor Cleaner

Concentrated commercial floor cleaner



Powerful cleaning. Exceptional dilution.

Puresta Floor Cleaner is a highly concentrated commercial floor cleaner designed for everyday maintenance cleaning and heavier-duty floor care. At just 50 mL per 5 litres of water for routine cleaning, it delivers effective commercial cleaning with exceptional product yield.

Why choose Puresta Floor Cleaner:

- **Highly concentrated:** Routine cleaning at just 1:100 dilution
- **Commercial performance:** Designed for routine mopping, heavy soil and auto-scrubber
- **No-rinse routine cleaning:** At 1:100 dilution, simply mop and allow the floor to dry naturally

Safer Chemistry:

- **Ingredients**: Naturally derived, plant-based, ethically sourced, ester-based technology
- **Formulated without:** Palm-based products, SLES, quats, chlorine
- **Safety:** Independently tested, safe residue, no fumes, no overpowering fragrance
- **Wastewater:** Suitable for grey water and septic systems

Technical information

Use	General use 1:100 – 50 mL into 5 L of clean water. Heavy soiling and auto-scrubbers 1:50 – 100 mL into 5 L, or 200 mL into 10 L. pH approx. 11.5 as concentrate, strongly alkaline. Grey water and septic tank safe. No added dyes.
Directions	Shake well and dilute into cold water. Apply with a mop and allow to dry naturally – no rinse needed at 1:100. Use 1:100 rather than 1:50 for routine mopping of sealed floors; repeated use at the stronger dilution shortens the life of a factory seal. Test any sealed, waxed, lacquered or polished floor before you start. Wear gloves and eye protection when handling the concentrate.
Safe for	Glazed ceramic and porcelain floor tiles, quarry tiles, slate, sealed and unsealed concrete, sealed and finished wooden floors, sealed cork and epoxy-coated floors. Damp mop wooden floors only; never flood.
Cautionary use, spot test recommended	Commercial vinyl, vinyl composition tile, safety and non-slip vinyl and linoleum – these carry a factory lacquer that softens gradually with repeated use. Test first and check the floor again after a few weeks of routine mopping. Waxed and oiled timber and waxed cork. Aluminium thresholds, trims and kick plates – wipe or rinse and never leave product to dry on them. Sealed stone-look tiles, polished concrete, rubber safety flooring, sealed marble, limestone, travertine and terrazzo.

Ester BioScience
Superior performance.
Safer chemistry.
Lower risk.

MADE IN NEW ZEALAND

2 RECYCLABLE CONTAINER

APPROVED MPI C32 All animal product except dairy

Eco Choice Aotearoa
Licence 5819159

Version 1.2 Issue date 18/08/2026

PURESTA - FLOOR CLEANER

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

Product Identifier

Product Name	Puresta Floor Cleaner
Synonyms	Not Available
Proper Shipping Name	Puresta Floor Cleaner
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	Floor Cleaner Concentrate

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	+64210327569
Website	www.esterbioscience.com
Email	sales@esterbioscience.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	 Warning
Signal Word	WARNING

Hazard statement (s)

Hazard Code	GHS Category	Hazard Statement	HSNO
H 319	Category 2	Can cause eye irritation	6.4A
H 315	Category 2	Can cause skin irritation	6.3A

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
P280	Wear protective gloves/eye protection/face protection

Precautionary statement responses

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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
P332+P313	If skin irritation occurs get medical advice / attention
P337+P313	If eye irritation persists get medical advice / attention

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)
C8-C10 Glucoside	68515–73–1	< 10.00	Eye Irritant Class 2
Sodium Metasilicate	6834 – 92 – 0	< 5.00	Eye Irritant Class 2 | Skin Irritant Class 2
Proprietary Ester (EsterBio™)		< 5.00	
Fragrance		< 1.00	
Alcohol Denat. (denatured ethanol)	64 – 17 – 5	< 5.00	Eye Irritant Class 2A | Flammable Liquids Class 2
Citric Acid	77 – 92 – 9	< 5.00	Eye Irritant Class 2
Polysorbate 20	9005 – 64 – 5	< 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, aerosols or combustion products 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	Floor Cleaner 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 ➢ Vapour may travel a considerable distance but is not explosive

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor spills	➢ Wear gloves and splash goggles. The concentrate is strongly alkaline ➢ Absorb or mop up. Barrier the area until it has been rinsed and dried, as spilled concentrate is slippery ➢ Rinse the area with clean water ➢ Collect residue in a labelled waste container ➢ Do not allow the spill to enter drains or stormwater
Major spills	➢ Restrict access and barrier the area. A large spill of alkaline concentrate is a significant slip hazard ➢ Wear gloves, splash goggles, overalls and boots ➢ Contain the spill and prevent it entering drains, stormwater or waterways ➢ Do not allow the spill to mix with acids during clean-up, as heat may be evolved ➢ Absorb with inert absorbent material, or pump into labelled containers ➢ Ventilate the area, then rinse thoroughly and collect the first rinse water for disposal

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Safe Handling	➢ Wear protective gloves ➢ 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 oxidising agents

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 - Hazy Liquid	Relative density (Water = 1)	1.0
Odour	Lemon	Auto ignition temperature	Not available
Odour threshold	Not Available	Decomposition temperature	Not available
pH	11.5 +/- 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

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	➢ None
Chemical stability	➢ Product is considered stable ➢ Hazardous polymerisation will not occur
Possibility of hazardous reactions	➢ Do not mix with oxidising agents
Conditions to avoid	➢ Avoid mixing with acids (heat may evolve) and oxidisers/bleach (gas release)
Incompatible materials	➢ Oxidisers
Hazardous decomposition products	➢ Not hazardous even when decomposition occurs

SECTION 11 – TOXICOLOGICAL INFORMATION

General Information	Sodium metasilicate pentahydrate Acute oral toxicity: LD50 (rat) 847 mg/kg D-glucopyranose, oligomers, decyl octyl glycosides Acute oral toxicity: LD50 (rat) > 5,000 mg/kg Acute dermal toxicity: LD50 (rabbit) > 2,000 mg/kg
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	This product will damage the digestive tract
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	This material is an extreme irritant direct contact with the eye may cause discomfort characterised by the eye tearing and conjunctive redness. Extreme care.
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
Puresta Floor Cleaner Concentrate	No significant acute toxicology data was identified in literature search 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

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Floor Cleaner Concentrate	This product is aerobically biodegradable. This product is ananaerobically biodegradable
Ecotoxicity in Water	No information available
Persistence/Degradability	No information available
Bioaccumulation Potential	No bioaccumulation is expected
Environmental Impact	No information available

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:

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

SECTION 15 – REGULATORY INFORMATION

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

ECO Choice Aotearoa	Approval Number 5819159
Category	Detergents and Cleaning Products EC 58-19
HSNO Approval Number	HSR002530
Group Standard	Cleaning Products (Subsidiary Hazard) Group Standard 2020
HSNO Classification	6.4 A
MPI Approval	C32 — Cleaner (not for use in food or edible areas)

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