



PRODUCT INFORMATION SHEET

Bio-Green

LEMONGRASS DISINFECTANT

SPECIAL FEATURES

- ✓ Readily Bio-degradable
- ✓ Phosphate free
- ✓ Septic safe – designed to be used in conventional septic, waste water treatment plants, and grey water systems
- ✓ Grey water safe- breaks down into nutrients that are safe for the garden (> 0.5% Sodium)
- ✓ Plant derived essential oil of Lemongrass (cold pressed)
Thyme oil
- ✓ User friendly – non-toxic, non-corrosive, no known allergens
- ✓ No VOCs (Volatile Organic Carbon)

CONTAINS NO PHOSPHATES, NO MINERAL ACIDS, NO POISONS OR BIOLOGICALLY 'HARD' INGREDIENTS.

DESCRIPTION:

"BIO -GREEN DISINFECTANT" is a multipurpose germicidal cleaner designed to perform three important functions with one application – disinfect, clean and deodorize.

"BIO -GREEN DISINFECTANT" has been boosted with cold pressed lemongrass oil and thyme oil. "BIO -GREEN DISINFECTANT" has been prepared from ingredients that have been carefully selected to maximize both ecological and operator safety.





DIRECTIONS:

“**BIO-GREEN DISINFECTANT**” is safe to use on most surfaces compatible with water.

- Dilute 1:25 with water (dilute 200ml **BIOGREEN DISINFECTANT** to 5 Litres clean water).
- Use to mop floors, wipe down walls, bench tops, bathroom fittings, sinks, stoves, etc.

Do not mix with any other chemicals, soaps or cleansers.

INGREDIENTS:

Water, nonionic wetting agents, ethanol, cellulose thickening agent, potassium lactate, Thyme oil, Lemongrass oil, food dyes.

BIODEGRADABILITY:

The surfactants used in **BIOGREEN DISINFECTANT** are readily biodegradable according to Australian Standard AS 4351.

Made in Australia by an Australian owned company.

HEALTH AND SAFETY :

- **NOT classified as hazardous, according to the criteria of SAFework Australia.**
- **NOT classified as hazardous, according to the criteria of GHS.**
- **NOT classified as Dangerous Goods, according to the ADG Code.**
- **NOT classified as a scheduled poison, according to the SUSMP.**

Risk: None allocated.

Safety: None allocated.

HAND & SKIN CARE:

After washing, rinse and dry hands thoroughly. People with sensitive skin should avoid prolonged contact with the washing solutions or should wear protective gloves.



FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre (phone 131126).

For more information, the SDS (Safety Data Sheet is available for this product.

PHYSICAL AND CHEMICAL PROPERTIES :

SPECIFICATION	TYPICAL VALUES
APPEARANCE	Transparent green liquid
ODOUR	Lemongrass oil
ALKALINITY	Neutral
pH	7.0 neat
FOAM HEIGHT	low – medium
SODIUM (Na)	< 0.5% w/w
PHOSPHATES	None present
BIO-DEGRADABILITY	Readily biodegradable
SURFACTANT TYPE	Nonionic/cationic
SOLUBILITY	Complete in water

GREY WATER USE:

Grey water regulations vary from state to state and it's important to be aware of local state and council rules. Grey water is household waste-water from the bathroom, hand basin, shower, and laundry.

The components of cleaning products most likely to cause problems are phosphorus, salinity, sodium, and pH.

P – Phosphorus: Small amounts of phosphorus can be useful for plants, and it's a major component of fertiliser. When it gets into waterways, however, it can cause excessive algal growth, leading to toxic algal blooms. The effect on your soil is varied depending on your soil type. Clay soils can deal with more phosphorus because the phosphorus binds to clay minerals and doesn't leach away. On sandy soils, excess phosphorus can leach into groundwater. Australian soils are typically low in phosphorus, and some native species can't tolerate high levels.



Salinity: All laundry detergents contain salts, typically sodium salts such as sodium nitrate, sodium sulphate, sodium phosphate and sodium silicate. Laundry detergents are generally highly saline, and frequent long-term use would likely harm your garden, unless it was spread over a large area.

Na- Sodium: Sodium in the salts is particularly detrimental not only to plants, but soils. It affects the soil's permeability and causes a loss of structural stability.

pH : Laundry detergents are generally highly alkaline (that is, have a high pH): a pH higher than 10 helps dissolve organic dirt, such as grease, oils and food scraps. Strong mineral acids like conventional toilet bowl cleaners cause very low pH. Most biological systems prefer a pH between 6 and 9, and grey water with a high pH or low pH is likely to harm many plants and soil organisms.

BIOGREEN DISINFECTANT has been designed to be 'grey water safe' – it breaks down into nutrients that are safe for the garden. It contains less than 0.5% sodium, is free of phosphate, and has a neutral pH (7.0).