



CUSTOM CHEMICALS INTERNATIONAL PTY LTD
103-107 Potassium Street
Narangba 4504
Queensland , Australia
Telephone Number: +617 3204 8300
Facsimile: +617 3204 8311

PRODUCT INFORMATION SHEET

BIO-GREEN

PEROXIDE BOOSTED LAUNDRY POWDER

FRONT AND TOP LOADERS

SPECIAL FEATURES

- **Readily Bio-degradable**
- **Phosphate free**
- **Septic safe – designed to be used in conventional septics, waste water treatment plants, and grey water systems**
- **Grey water safe (breaks down into nutrients that are safe for the garden)**
- **Low sudsing formula for front loader machines**
- **Suitable for all washing temperatures**
- **User friendly – no poisons, no corrosives, no known allergens.**
- **Low VOC (Volatile Organic Carbon)**
- **Natural oils of eucalyptus and lavender.**
- **Hydrogen peroxide – bleaches stains, sanitizes, deodorizes.**

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

DESCRIPTION:

“BIO-GREEN SOAP POWDER” is a fragrant laundry detergent powder for use in both commercial and domestic machines. Formulated to provide excellent results in all water conditions. Contains optical brightener to ensure maximum whiteness and colour enhancement. Also boosted with a powerful peroxy salt to provide hydrogen





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peroxide in the wash – removes stains, sanitizes and deodorizes. Contains high levels of biodegradable wetting agents and soil redeposition inhibitors to dissolve and hold laundry soils in solution. Prepared from ingredients that have been carefully selected to maximize both ecological and operator safety.

DIRECTIONS:

“**BIO-GREEN SOAP POWDER**” is a commercial strength product – highly concentrated – for optimum results, follow recommended usage directions. Safe to use on most fabrics. Treat coloured fabrics and whites separately. Follow the clothing manufacturers washing instructions. If in doubt, test colourfastness of garments before use. Do NOT soak woollens, silk, coloured linen or non-colourfast dyed fabrics.

DOMESTIC MACHINES:

- **Light to medium soiling/ normal load:** 1/4 cup
- **Heavy soiling/large load/hard water:** 1/2 cup

COMMERCIAL MACHINES:

- **Medium soiling:** 250 – 500g per 45 kg load.

INGREDIENTS:

Washing Soda, nonionic wetting agents, oleate soap, peroxide salt, sodium citrate, sodium polycarboxylate, eucalyptus oil, lavender oil, optical brightener, pigment.

BIODEGRADABILITY:

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

Made in Australia by an Australian owned company.

HEALTH AND SAFETY :

- **classified as hazardous (Xi – IRRITANT), according to the criteria of Worksafe Australia.**
- **NOT classified as Dangerous Goods.**
- **classified as a scheduled 5 poison (ALKALINE SALTS).**





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Risk:

Irritating to eyes and skin.

Safety:

Keep out of reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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:

For advice, contact a Poisons Information Centre (phone Australia 13 1126) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

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

PHYSICAL AND CHEMICAL PROPERTIES :

SPECIFICATION	TYPICAL VALUES
APPEARANCE	Uniform blue powder
ODOUR	Eucalyptus/lavender
ALKALINITY	Moderate
pH	10 – 11.5 @ 1% sol'n
FOAM HEIGHT	low
PHOSPHATES	None present
BIO-DEGRADABILITY	Readily biodegradable
SURFACTANT TYPE	Nonionic/anionic
SOLUBILITY	Complete in water





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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 LIQUID LAUNDRY” has been designed to be 'grey water safe' – it breaks down into nutrients that are safe for the garden. It contains less than 1.0% sodium, is free of phosphate, and has a mild pH (8.5 – 9.5).

