

What is Powerdet Eco?

POWERDET ECO is unique and completely different from other detergents. It is exceptionally low in aquatic toxicity, unlike standard detergents. It is ideal for cleaning surfaces near natural waterways such as rivers or the sea, as well as over land. POWERDET ECO solutions are approved for release directly into the sea.

Key Benefits

- ✓ Made for use over land or sea
- ✓ Powerful cleaning action
- ✓ Safe for septic tanks
- ✓ Sodium free. Will not cause salinity in soil.
- ✓ Perfume free
- ✓ Safe to use. All ingredients readily biodegradable
- ✓ Not hazardous to the environment, unlike other detergents

**Awarded Good
Environmental
Choice Award**

How Does It Work?

The surfactants in POWERDET ECO are classed as colloidal particles that work on a macromolecular level to remove soil. These particles reduce the surface tension of the solution, attack and encapsulate oil and dirt and separate these substances from the surface being cleaned. The oil and dirt can then be washed away easily.

For Use On ...

POWERDET ECO will remove all soils and spillages including outdoor dirt, food spills, drinks, fats and general traffic dirt from all types of buildings, ships, jetties, floors, walls, brick, concrete, paintwork, stone, metal fittings, fibreglass, tiles and other washable surfaces. POWERDET ECO is also recommended for use on alkali-sensitive floors such as timber, terrazzo and marble. POWERDET ECO is concentrated for cost-effective cleaning.

Technical Data

Properties



COLOUR – Transparent yellow liquid
ODOUR – None
PH = 7.5 ± 0.5 (neutral)
FOAM – Medium to high foam height, suitable for mopping, pressure-washing and autoscrubbing.

Quality

The design, manufacture and supply of all Agar chemical products is controlled by the Agar Quality Management System which is registered and externally audited by SAI Global as complying with the requirements of AS/NZS ISO 9001 "Quality Management Systems – Requirements".

First Certified: 30 April 1996 SAI Certificate No.: QEC7358

Environmental Care



POWERDET ECO is NON-HAZARDOUS to the environment. POWERDET ECO has been made from ingredients that have been chosen to give the following properties:

- ✓ Biodegradable ingredients
- ✓ pH-neutral
- ✓ Phosphate-free
- ✓ Sodium-free

POWERDET ECO contains:

- ★ Surfactants that are readily biodegradable together with potassium salts.
- ★ Very low VOC's (volatile organic compounds) that can cause poor air quality, air pollution and potential allergic reactions in some individuals.
- ★ NO perfume.
- ★ NO toxic, harmful or ecologically-suspect ingredients: no ammonia, glycol ethers, nonyl phenol ethoxylates, free caustic, chlorine, or heavy-metal sequestering agents.
- ★ NO environmentally-hazardous detergent compounds.
- ★ NO sodium compounds.

See page 2 for Disposal Information.

Health

POWERDET ECO is non-hazardous when diluted to 1 in 10 (10.0%) or more in water.

POWERDET ECO is a water-based cleaner that contains no allergens, no glycol ether solvents and no toxic ingredients. POWERDET ECO will not compromise the indoor air-quality of buildings it has been used to clean.

Concentrated (undiluted) POWERDET ECO is classified as hazardous according to the criteria of Safe Work Australia. It is irritating to the skin and may cause serious eye damage. Please refer to the Safety Data Sheet for more information.

Approvals

POWERDET ECO is not a harmful substance in accordance with the criteria in MARPOL Annex III and it does not contain any components which are known to be carcinogenic, mutagenic or reprotoxic (CMR). [See Resolution MEPC.295(71) 2017 Guidelines for the Implementation of MARPOL Annex V Sections 1.7.4 to 1.7.6 for further information]. Therefore, POWERDET ECO meets the requirements of the Australian Maritime Safety Authority for cleaning agents in cargo hold, deck and external surfaces washwater that may be disposed of to the sea.

Note: MARPOL is the main international convention aimed at the prevention of pollution from ships caused by operational or accidental causes. It was adopted at the International Maritime Organization (IMO) in 1973.

Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all of its products. These sheets contain information that you may need to protect your employees and customers against health or safety hazards associated with our product. Agar Cleaning Systems recommends that you obtain a copy of the respective SDS sheet prior to using this product. The information in the Product Data Sheet is based on data we believe to be reliable. It is offered in good faith, but without guarantee, as conditions and methods of use of our product are beyond our control.

Application

		Heavy Duty	Light Duty
Mopping Floors:		1 part POWERDET ECO in 40 parts water. ¾ cup per wringer bucket.	1 part POWERDET ECO in 80 parts water. ⅓ cup per wringer bucket.
Auto-scrubbing Floors:	Small	1L POWERDET ECO per tank.	½L POWERDET ECO per tank.
	Large	2L POWERDET ECO per tank.	1L POWERDET ECO per tank.
Outdoor Scrubbing		1 part POWERDET ECO in 25 parts water to 1 in 40.	1 part POWERDET ECO in 80 parts water.
Pressure Washing		1 part POWERDET ECO in 80 parts water.	1 part POWERDET ECO in 160 parts water.

This is a guide only. Concentration should be varied according to the degree and persistence of soilage.

Disposal Information

1. Used solutions -

Used solutions of this product may be disposed of into the sea. Used solutions of POWERDET ECO should preferably be poured into a sink or trough that leads to the sewer system or a septic tank. Used solutions of detergent should not be poured into stormwater drains or down driveways as these drains are designed for rain water and ultimately lead to the local river system. However, POWERDET ECO has a very low aquatic toxicity, so small amounts will not cause any damage to the environment.

2. Unused product -

It is best to keep the product and use it up! If this is not possible, try to give it to someone who can use it. (Make sure the product is in its original, labelled container).

If there is no alternative but disposal, it is safe to pour this product down the drain (to sewer) with running water. Leave the cold tap running for a few moments afterwards as this dilutes the product and reduces the concentration in the waste water. Remember, do not mix different cleaning products together during disposal!

3. Empty packaging –

Bottles and drums -

Our 5L and 20L bottles and drums are made from HDPE (polyethylene) or PET which can be recycled. You can dispose of

these containers via the kerbside collection program or other recycling system.

POWERDET ECO containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd., significantly reducing plastic usage and waste.

Cardboard cartons -

Our cartons contain a minimum of 70% of recycled cardboard and/or paper. Used boxes should be flattened and recycled in OCC (old corrugated cardboard) or mixed waste paper recycling programs.

Available in: 5L & 20L

Dispensing Accessories:

500ml Spray bottle – Code D500

Trigger 500ml Bottle Plain Blue/White – Code DTR

Hand Pump for 5L Bottle (30ml/Stroke) – Code DHP30

Hand Pump for 20L Drum (30ml/stroke) – Code DHP20

Tap in Cap 5L - Code DTC5

20L Drum Tap – Code DTAP

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