

PRODUCT USE GUIDE FOR

Assured Eco Clean

Product Description

Powerful quick break cleaner and degreaser with environmental accreditations.

A clear straw coloured liquid all-purpose cleaner / degreaser with a slight citrus fragrance, designed for cleaning areas of high grease / oil / dirt soiling.

Assured Eco Clean is a powerful water based, quick break degreaser and cleaner that is free from toxic or hazardous chemicals making it safer to use and eco-friendlier. This specially formulated chemistry penetrates and lifts hydrocarbon soils including fats, oils, greases and proteins without creating permanent emulsions which can cause major issues for waste water systems and the environment.

This water based formulation removes food and beverage soils, oils and lubricants, mould and mildew without reacting or damaging the treated surface. The quick break degreasing action releases oils without forming an emulsion increasing the efficiency of oily water separators, improves waste water quality and assists with environmental compliance.

Product Features

- For use on all surface types for the removal of high levels of grease, oil and general dirt soiling. .
- May be disposed of in storm drains.
- A safe alternative to many highly alkaline products used for similar tasks.
- High-Tech, Environmentally Sustainable
- Heavy Duty Industrial Degreaser
- Quick Break Degreaser
- Mould & Moss Remover
- Non-Toxic, No Hazardous Chemicals
- Eco-Friendly, Readily Biodegradable
- Non-Reactive to Surfaces
- No Special Storage, Handling or Disposal Requirements
- Enhances Oily Water Separator Efficiency

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Toxicity Testing

- A safe alternative to many highly alkaline products designed for similar tasks.
- **Environmentally Safe.** Satisfies international tests carried out by WRc-NSF on unicellular algae and invertebrates representative of both fresh and salt water environments. These tests were carried out according to internationally recognised guidelines from the Organisation of Economic Co-operation and Development (for freshwater species) and the International Standards Organisation (ISO) for salt water species.
- **Quick break emulsion.** After use, any emulsions formed quickly break down into oil and water layers allowing complete separation in oil traps. (Independent tests carried out by Aqua Safe Technology)

Toxicity Testing

- In the study programme testing of the effects of Assured Eco Clean (at a dilution of 26:1) was carried out on unicellular algae and invertebrates representative of both freshwaters and salt waters. The tests were carried out according to internationally recognised guidelines from the Organisation of Economic Co-operation and Development (for freshwater species) and the International Standards Organisation (ISO) (for saltwater species) as summarised below. Initially Assured Eco Clean was not carried out on fish until it was established whether the test material was of sufficient toxicity in the algal growth and invertebrate immobilisation / lethality tests to warrant such testing. All testing of products and formulations with fish (which are classified as free feeding) has to be carried out under license from the Home Office and according to the requirements of the Animals Scientific (1986) Procedures Act.

Summary of the toxicity tests carried out in the study programme and the test guidelines used

Freshwater Tests	Saltwater Tests
72 h algal (<i>Pseudokirchneriella subcapitata</i>) growth inhibition test (OECD Test Guideline 201, OECD 1984)	72 h algal (<i>Skeletonema costatum</i>) growth inhibition test (ISO 10253, ISO 1995)
48 h <i>Daphnia magna</i> immobilisation test (OECD Test Guideline 202, OECD 1984)	48 h <i>Tisbe battagliai</i> lethality test (ISO/DIS 14669, ISO 1997)

- For Assured Eco Clean the toxicity data from the tests with both freshwater and saltwater algae and invertebrates is above the upper threshold for classification of the substance as harmful to aquatic organisms. (Pass. Safe)
- For use on tarmac and concrete surfaces. For general cleaning of oil rigs, garage floors, ships decks, bilges, diesel islands, forecourts, floors and most hard surfaces where heavy oily soiling is a problem.

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The product does not contain sodium hydroxide or potassium hydroxide and is not classified under current CHIP legislation. Satisfies international tests carried out on unicellular algae and invertebrate's representative of both fresh and salt water environments. These tests were carried out according to internationally recognised guidelines from the organisation of economic co-operation and development (for freshwater species) and the international standards organisation (ISO) for salt water species.

Direction for Use

- 1 : 50 (2%), i.e. 100ml per 5 litres of warm to hot water up to 1 : 10 (10%), i.e. 500ml in 5 litres of warm to hot water, depending on degree of soiling.
- The diluted solution should be mixed in a clean mop bucket, or may be used via a pressure washer or floor scrubber.
- With a fresh, clean, cloth, brush or other appropriate cleaning instrument, apply the product from the bucket to the area to be cleaned.
- Rinse floor thoroughly with fresh water and allow to air dry.

Storage

- Store in cool conditions away from direct sources of heat
- Avoid extremes of temperature
- Do not allow to freeze
- Ensure the cap is tightly fitted after use
- Keep out of reach of children

Shelf Life

- Shelf life 24 months, if stored as recommended.
- Use within 6 months of opening.

Environmental Hazards

Do not allow large quantities of neat liquid to enter surface waterways.

Packs

2 x 5L
20L
200L
1,000L

Data Sheet No. AHLAEC 2X5L

Note: This product is only to be used for the purpose for which it was intended and in accordance with the specified instructions. This product should never be mixed with other chemical products and should be handled with care and stored carefully out of reach of children.