

LANGLOW



# PATIO CLEANER

## FUNGICIDAL WASH

LAN TECH – 03 / 2003

**HSE APPROVED  
SURFACE BIOCIDES**

**WATER-BASED  
LOW ODOUR**

**ERADICATES  
MOULD & FUNGI**

### DESCRIPTION:

LANGLOW PATIO CLEANER is a multi-purpose cleaning agent, surface biocide & fungicidal wash designed to prevent and eradicate the growth of mould, algae and fungi on most common masonry surfaces. It is suitable for use on paving, block-work, concrete driveways, stone and concrete, where poor drainage, damp and surrounding foliage have diminished the "as new" appearance of the path or driveway. The concentrated formula allows the end user to dilute on site producing up to 25 litres of ready to use product from a single 5 litre container of concentrate. LANGLOW PATIO CLEANER dilutes to a water-thin ready to use consistency, which is ideal for spray application where large areas of paving are to be treated.

### PREPARATION:

Prepare a surface by removing all established fungal growths and any other unwanted vegetation using a scraper or a stiff brush to reveal bare masonry. Dilute product at a rate of up to 1 part to 4 parts water and shake well before use to ensure consistency. Do not apply where there is a risk to running watercourses or fish-ponds and any run off of the product to surrounding vegetation should be saturated with water. On heavily stained areas where there are well-established accumulation of mould and greenery, dilute only as 1 part to 2 parts water to achieve more effective eradication of ingrained growths.

NB. On coloured or decorative paving and stonework it is advisable to try a small test area with the ready to use treatment to confirm that it will have no long-term adverse effect on the appearance of the substrate.

### APPLICATION:

Paths and patios may be treated using a watering can fitted with a disperser head to ensure complete and consistent coverage. Areas affected by extensive, well-established mould growth may be treated with a stronger dilution of 1 part Fungicidal wash to 2 parts water following the removal of all unwanted vegetation. Allow the solution to stand for about 5 minutes then vigorously scrub it into the surface with a stiff yard brush to ensure complete penetration. Allow a further 20 to 30 minutes for the solution to soak into the masonry then rinse off any excess treatment with hose applied water, directed to a nearby drain where possible.

### COVERAGE:

Depending upon the texture and porosity of the masonry surface, LANGLOW PATIO CLEANER when applied as single coat will cover as 1 litre of diluted product being effective over 8 to 20 square metres depending on the condition, texture and porosity of the treated surface. Repeat applications may be necessary on areas where mould and algae has been previously well established, or where the substrate is particularly porous and friable.

### HEALTH & SAFETY:

This product is approved under the Control of Pesticides regulations 1986 – **HSE No. 6253** for use as directed.

**CONTAINS BENZALKONIUM CHLORIDE @ 5.0 % w/w [ 50.0 g/l ]** and a blend of organic pigments.

EC Classification – IRRITANT

**IRRITATING to eyes and skin.**

FOR USE ONLY AS A SURFACE BIOCIDES

Keep out of reach of children

Keep away from food, drink and animal feeding stuffs

Wear suitable protective clothing and eye protection when using and diluting.

Wash hands and exposed skin, before meals and after use.

Dangerous to fish and other aquatic life

Remove or cover fish bowls and tanks before application

### STORAGE & PACKAGING:

LANGLOW PATIO CLEANER is available in 5 litre poly bottles packed as 4 per case, sealed with a child resistant closure.

Store in cool, well-ventilated conditions and do not expose to frost or extreme temperatures.

Should further more specific technical information be required, contact the Palace Technical help-line on 0151 486 6101.

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. However it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.

PALACE CHEMICALS Ltd  
Speke Hall Industrial Estate; Speke; Liverpool; L24 4AB  
Tel: 0151 486 6101 – Fax: 0151 448 1982  
e-mail [technical@palacechemicals.co.uk](mailto:technical@palacechemicals.co.uk)

## PALACE CHEMICALS LTD


Speke Hall Industrial Estate; Speke; Liverpool L24 4AB

Tel; 0151 486 6101; Fax 0151 448 1982; e-mail [technical@palacechemicals.co.uk](mailto:technical@palacechemicals.co.uk)

<b>SUBSTANCE IDENTIFICATION:</b>			
<b>LANGLOW PATIO CLEANER</b> <b>FUNGICIDAL WASH</b>			
<b>COMPOSITION;</b> An aqueous solution of Alkyl benzyl dimethyl ammonium chloride CAS No. 61789-71-1. Concentration – 5.0% w/w		<b>HAZARDS CLASSIFICATION:</b> <b>IRRITANT Xi – R36 / 38</b> Irritating to eyes and skin Keep out of reach of children Avoid working in a spray mist Wear suitable protective clothing	
<b>FIRST AID MEASURES:</b>			
<b>INHALATION:</b> If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.	<b>SKIN CONTACT:</b> Wash off skin with warm soapy water. The dilution will irritate if residues remain in clothing – take off and launder immediately	<b>INGESTION:</b> Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.	<b>EYE CONTACT:</b> Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.
<b>FIRE FIGHTING MEASURES:</b> This product is a NON-FLAMMABLE water based concentrate.			
<b>ACCIDENTAL RELEASE MEASURES:</b> Absorb spillages on sand, sawdust or absorbent granules and bund drains to prevent run-off to sewers and watercourses. Confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for low-hazard water based Surface biocides.			
<b>HANDLING &amp; STORAGE:</b> Store in sealed, clearly marked containers either as a concentrate or in its diluted form. Keep out of reach of children in a cool well-ventilated environment – Protect from frost, heat and direct sunlight.			
<b>EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:</b>			
<b>Respiratory:</b> Good ventilation is always recommended when spraying or splashing is likely.	<b>Hand:</b> Wear heavy duty natural rubber gloves or gauntlets approved to EN 374 & EN 420 with a BTT rating of > 8 hrs for cationic, mildly acidic disinfectants	<b>Eye:</b> Splash proof BS 2092 Goggles (or chemical grade visors for large volume spray applications) are advised wherever there is a risk of liquid entering the eyes.	<b>Skin:</b> Wear a disposable plastic apron or overalls, which should be laundered after use if contaminated. Waterproof safety boots/shoes are also recommended

## SAFETY DATA SHEET No. 082P

### PRODUCT: PATIO CLEANER

<b>PHYSICO-CHEMICAL PROPERTIES:</b>		
Appearance – Clear, free-flowing liquid. Miscibility – Water only Ph – 5.5 – 7.5 Density – 1.015 Odour – Distinctive marzipan type odour. Viscosity - < 40cps	Flash point: > 100°C non flammable Colour - water white Oxidising properties - none Vapour pressure - as water @ 20°C Boiling point - 102°C	
<b>STABILITY &amp; REACTIVITY:</b> Storage in frost affected conditions or at elevated temperatures will affect the performance stability of the product. May react with concentrated acids and strong oxidising agents - thermal decomposition release hydrogen chloride. Do not blend with anionic detergents.		
<b>TOXICOLOGICAL INFORMATION:</b> LD50 Oral Rat – 9000 mg / Kg – Readily disperses and biodegrades in water. TOXIC to aquatic organisms. NEVER release directly into drains and watercourses Acute toxicity – Irritating to eyes and skin.		
Acute toxicity: Eye irritant Corrosivity: N/A	Sensitisation: n/a Mutagenicity: n/a	Carcinogenicity: n/a Reproductive toxicity: n/a
<b>ECOLOGICAL INFORMATION:</b> Ecotoxicity – Acute fish toxicity – TOXIC. MUST NOT be discharged into rivers or fresh water areas Biodegradable in both fresh and salt water.		
<b>DISPOSAL CONSIDERATIONS:</b> Dispose according to Local Authority regulations for aqueous, low hazard benzalkonium solutions. Do not dispose into sewers or watercourses		
<b>TRANSPORT INFORMATION:</b> Not subject to CPL / ADR restrictions When transporting overseas, classify as <b>IMO Class 3.3 – Marine pollutant.</b>		
<b>REGULATORY INFORMATION: IRRITANT</b> This product is approved under the Control of Pesticides regulations 1986 - For use only as a surface biocide HSE 6253 - Contains 5% w/w Benzalkonium chloride. The use of this product at work will be subject to an assessment in accordance with the 1994 COSHH regulations.		 <b>IRRITANT</b>
<b>FURTHER INFORMATION:</b> The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.		