

PRODUCT USE GUIDE FOR COMBAT DESCALER PA CB269

Product Description

Descaler detergent based on phosphoric acid. For cleaning and brightening stainless steel equipment e.g. vessels, skips, conveyors, utensils etc. General descaler for tanks, pipes, heat exchanges, etc. Is particularly useful for the removal of fish slime from fish boxes and dried blood from tiled surfaces in abattoirs. In the latter case, use in undiluted form.

HEALTH AND SAFETY WARNING – CORROSIVE. ALWAYS WEAR PROTECTIVE CLOTHING.

Product Features

- A highly effective acidic detergent based on phosphoric acid.
- It has wide application as a descaler and is suitable for use in all hard water types.
- Food safe – does not taint foodstuffs.

Direction for Use

This product is classified as corrosive - take great care when using it.

Only personnel trained in its use to handle this product.

Wear protective clothing as provided.

- **Catering Industry:** Bain maries, kettles, dishwashers – dilution is dependent upon the level of calcium deposits. Use at a dilution rate of 10% to 15% (100ml to 150ml / litre).
- **For cleaning floors, walls and equipment:** Use at 5% to 10% (50ml to 100ml / litre) and apply manually by scrubbing or soaking. Use at ambient temperature and allow a 10 minute contact time, followed by thorough rinsing with clean water.
- **Dairy Industry:** Combat Descaler PA is an excellent milkstone remover. For occasional descaling of HTST plant, storage tanks and pipelines use a 10% v/v solution at 70o-80oC. As an acidic clean in two stage cleaning following alkali, use a 5-10% v/v solution at 70o-80oC. UHT plant - as acidic clean following alkali circulation. Use a 10-15% v/v solution. Churns - remove milkstone by soaking in warm solution (10% v/v) or operate churn washer for 2-3 days using a 5% v/v solution.
- **Brewing Industry:** To descale fermenting vessels, maturation tanks, etc. circulate a 20-50% v/v solution for 30-45 minutes. Where heavy scaling exists circulation may be repeated using the same acid if the descaling is incomplete. Paraflows - to descale both the liquor and product side a concentration of 50% v/v is recommended, circulated for 30-45 minutes at up to 50°C. Routine cleaning - Combat Descaler PA is ideal for cleaning maturation tanks, mains, bright beer tanks, stainless keg fillers and bottle fillers. Used at 10-20% v/v, cold or warm, it will remove beer stone deposits and also light protein soiling. Suitable for cleaning brewery plant under a carbon dioxide atmosphere, enabling the carbon dioxide to be retained. Stainless steel and aluminium casks - soak in a hot 10-20% v/v solution or run cask washer for a short period on a 5% v/v solution.
- **Food Industry:** General descaler for tanks, pipes, heat exchanges, etc. - is particularly useful for the removal of fish slime from fish boxes and dried blood from tiled surfaces in abattoirs. In the latter case, use in undiluted form.



Cleenol Group Ltd

Beaumont Road, Banbury, Oxon, OX16 1RB. UK.
Tel: +44 (0) 1295 251721 Fax: +44 (0) 1295 269561
Email: sales@cleenol.co.uk
www.cleenol.co.uk

JH/SMW/ES



Certificate No. 316



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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

- Do not allow large quantities of neat liquid to enter surface waterways as serious ecological damage may be caused.
- In the event of a large spillage, contact the local water authority or Environment Agency immediately.
- This product uses recyclable packaging. The detergents used in the formulation are biodegradable to EU guidelines under the detergents regulations (EC) No 648/2004.
- It contains no Phosphates.
- None of the components of this product are animal derived.

For further information please scan your QR Smart Reader here



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Data Sheet No. CB269

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.



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