

What is LCD-60?

LCD-60 is a heavy-duty, built alkaline liquid CIP detergent for removing food residues, fats, oils and proteins from metallic, plastic and ceramic surfaces.

Key Benefits

- ✓ Highly concentrated
- ✓ Low foaming
- ✓ Free-rinsing
- ✓ Safe on stainless steel

How Does It Work?

LCD-60 contains 60% sodium hydroxide and low-foaming surfactants that have been selected to provide fast and complete removal of fats, oils, proteins, starches and other food residues and biofilms from hard surfaces. As well as saponifying fats and oils, the alkalinity also hydrolyzes peptide bonds and breaks down large, insoluble proteins into smaller, soluble polypeptides.

For Use On...

LCD-60 is designed for application by "Cleaning in Place" (CIP), soak tank or manual brushing applications. It is ideal for use on stainless steel vats, pipes, fittings utensils and equipment.

It is not suited for application to aluminium or other soft metals including brass, copper, zinc and galvanized iron.

Technical Data

Properties



COLOUR – Transparent, colourless liquid
 ODOUR – None
 pH = 13.0 – 14.0
 FOAM – Low foaming

Environmental Care

LCD-60 conforms with all statutory environmental requirements. It is based on selected ingredients to perform efficiently so there is no waste or damage. LCD-60 is based on biodegradable ingredients. LCD-60 containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd., significantly reducing plastic usage and waste. They can also be recycled.

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

Application

Recirculation CIP Cleaning:

Cleaning-In-Place (CIP) offers a fast, efficient and reliable system for cleaning all types of process plant. It permits cleaning without the need to dismantle the equipment.

Cleaning-In-Place typically consists of five operations in sequence:

1. Flushing with water to remove bulk left-over product.
2. Alkaline cleaning: LCD-60 alkaline detergent solution is used to dissolve fats, oils and proteins or remove stubborn deposits.
3. An intermediate water rinse clears out the alkalinity and cleaning by-products.
4. Acidic cleaning: an acidic detergent (e.g. Agar AC-201 Acid CIP Detergent) may be used next to neutralise the traces of caustic remaining on the surfaces and to remove mineral deposits, scale and oxalates (found in beerstone for example).
5. Final water rinse: cold potable water is used to flush out the acid solution.
6. Sanitising: a sanitiser solution (such as Hyperax 5) may be circulated through the system.

LCD-60 Dilution Rates for CIP:

Dilute to between 1 in 40 – 160 (0.62-2.5%). Recirculate for 10 to 30 minutes depending on the degree of soilage. Flush with potable water to rinse all lines and product-contacting surfaces.

Soak Tank Cleaning:

Dilute to between 1 in 3 – 20 (5-30%). Soak items for 2 to 60 minutes depending on degree and nature of residues.

Brushing/Manual Cleaning:

Dilute to between 1 in 10 – 50 (2-10%).

Once all parts have been removed from the equipment and hand washed with the LCD-60 solution, allow them to soak in a solution of AC-201 Acid CIP Cleaner or APD-S for 5 minutes or more if an acid cleaning is required. Then remove the parts from the bath and re-assemble them on the equipment. Rinse equipment with potable water.

Hook Cleaning:

Dilute to 1 in 20 with hot water. Soak metal meat handling equipment for 10-20 minutes. Rinse and then neutralise with HOOK ACID.

RINSE ALL FOOD-CONTACTING SURFACES WITH POTABLE WATER AFTER USING THIS PRODUCT.

Please refer to SDS for more information:

Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all 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.

Disposal Information

1. Used solutions -

Used Solutions of LCD-60 should be poured into a drain or trough that leads to the sewer system or a septic tank. These systems have a method for treating and breaking down the waste. Used solutions of detergent should not be poured into stormwater drains or down driveways as these drains are designed for rainwater and ultimately lead to the local river system.

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 modest quantities of 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 wastewater.

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. LCD-60 containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd, significantly reducing plastic usage and waste.

Cardboard cartons

Used boxes should be flattened and recycled in OCC (old, corrugated cardboard) or mixed wastepaper recycling programs.

Available in: 5L, 15L, 200L

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