

# ALKALINE CLEANER - NON-CHLORINATED

## MCL B™

High-performance liquid alkaline detergent used to remove pigmented soils commonly used in the personal care and cosmetics industry. MCL B can also be used for removing mineral containing premixes typically found in the cosmetics industry. MCL B is designed for use in CIP systems and circuits and can replace the use of solvents.



### Why MCL B?

#### CONVENIENT TO USE

- Works in existing CIP systems as a one part cleaning program.
- Designed for cleaning complex pigmented soils without the need for additives.
- MCL B is designed for use in CIP systems and circuits and can replace the use of solvents.
- Saves time and labor when used through a full CIP cleaning cycle and will help eliminate time used to disassemble and manually clean pipes.

- Also suitable for industrial cleaning applications.

#### SPECIALLY FORMULATED

- Premium alkaline detergent for cleaning liquid monochromatic substances (sunscreens, foundations), pigment loads, mineral loads, hair care dyes, and sun care products with high levels of TiO<sub>2</sub>.
- Combination of surfactant and sequestering agents in alkaline base.

#### DOCUMENTATION PACKAGE

- Technical data sheet
- Safety data sheet
- Toxicological data sheet
- Certificate of Analysis

#### SUBJECT TO INCOMING GOODS CONTROL

|            |                       |         |                        |
|------------|-----------------------|---------|------------------------|
| Appearance | Clear to Light Yellow | Density | 1.19 kg/L - 9.9 LB/GAL |
| pH         | 1% Solution 12.0      |         |                        |

#### PROPERTIES

##### Concentrate

|                   |                             |                  |                      |
|-------------------|-----------------------------|------------------|----------------------|
| Storage Stability | 14°F - 104°F / -10°C - 40°C | Frost Resistance | Freeze / Thaw Stable |
|-------------------|-----------------------------|------------------|----------------------|

##### Application Solution

|              |   |                |          |
|--------------|---|----------------|----------|
| pH           | pH of 11.0 - 13.0 at the used dilution              | Foam Behaviour | Low Foam |
| Conductivity | 2.79 mS/cm (1%, 77°F / 25°C in demineralized water) |                |          |

##### Material Compatibility

|          |  |
|----------|--|
| Metals   | Consult your Ecolab Representative for material compatibility specific to your applications. |
| Plastics |  |

## APPLICATION

### Mode of Application

For cleaning circuits & CIP.

- ▲ Circulate a solution of MCL B using equipment that allows for adequate flow rates, and coverage of all soiled surfaces. Concentrations, temperatures, and time vary due to degree and type of soiling.
- ▲ Concentrations: 3% to 5%
- ▲ Temperature: 122°F - 176°F (50°C - 80°C)
- ▲ Time: 10-30 minutes

Rinse surfaces thoroughly to remove residues.

Consult your Ecolab Representative for specific use instructions and recommended dispensing equipment.

For cautionary and first aid information, consult the Safety Data Sheet (SDS) or product label.

## MONITORING

**Titration** Test Kit 301 - Alkaline Test Kit

## ECOLOGICAL EVALUATION

### Evaluation

- ▲ After use application solutions can be discarded in communal water treatment systems
- ▲ EDTA - / NTA - free
- ▲ Consider maximum permissible limits for pH-values

### P-content

Formula ingredients contain not more than 4.0% Phosphorus, 0.4 g/L, (1.5 g/US gal) of average recommended use concentration.

The complete Ecological Evaluation is available on the Cleaning Validation website [www.ecolab-cleaning-validation.com](http://www.ecolab-cleaning-validation.com)

## SAFETY

The relevant Hazard identifications of MCL B are given in the Safety Data Sheet available at [safetydata.ecolab.com](http://safetydata.ecolab.com). If any questions arise in this context please contact your Ecolab representative.

A Toxicological Hazard Assessment is also available on the Cleaning Validation website [www.ecolab-cleaning-validation.com](http://www.ecolab-cleaning-validation.com)

## PRODUCT ORDERING INFORMATION

| UNIT OF SALE | LANGUAGES  | ORDER CODE |
|--------------|------------|------------|
| 5 GAL        | EN, ES, FR | 6600271    |
| 55 GAL       | EN, ES, FR | 6600272    |
| 304 GAL      | EN, ES, FR | 6600273    |

### WORLDWIDE HEADQUARTERS

1 Ecolab Place  
St. Paul, MN 55102  
USA

[www.ecolab.com/lifesciences](http://www.ecolab.com/lifesciences)  
[www.ecolab.com/pharmaceutical](http://www.ecolab.com/pharmaceutical)

