



## Unique alkaline cleaner

### Description

Adept<sup>TM/MC</sup> cleaner is for use in many food processing or dairy applications, wherever the need for effective oil, gum or wax removal exists. This product may be used by spray, circulation or manual cleaning for removing these soils. It is also useful in pharmaceutical establishments for removing product soils such as oil-based creams, lotions or injectable drug products solubilized in oil-based carrier vehicles.

### Effective

- Penetrates and suspends organic soils such as greases, waxes or oils

### Versatile

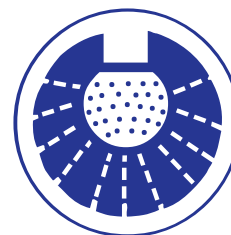
- Lowest foaming when used at temperatures above 65°C (150°F) for spray or circulation cleaning
- Produces foam at moderate temperatures - useful for spray/manual cleaning at these temperatures 27–43°C (80–110°F)

### Easy-to-Use

- May be dispensed with automatic feeding systems

### Discussion

Adept<sup>TM/MC</sup> cleaner is alkaline based with unique cleaning properties. It provides solvent-like action on greases, waxes and oils, yet contains no hazardous solvent components. The blend of surfactants combined with the alkaline cleaners provides effective soil penetration, removal and dispersion of many types of soil. This product can be used in most spray washer applications, including dairy or food case washers. It has been effective in removing soils that are not removed by typical acid or alkaline cleaners (i.e. gum residue removal in fruit drink products). This product is completely miscible with water at all concentrations. It contains sufficient water conditioning agents to be an effective cleaner in water up to 175 ppm (10 gpg) as calcium carbonate.



**Diverflow**



**Adept**<sup>TM/MC</sup>

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### Use Instructions

Soils vary in composition. In pharmaceutical applications, waterproof formulations usually contain waxes that are difficult to remove.

Determination of optimum solution concentration should be established on-site.

**Spray Washers or High Pressure Spray:** (For cleaning plastic or stainless steel molds, trays, totes, or other utensils normally cleaned in spray washers.)

1. Rinse items thoroughly with water.
2. Spray items using Adept<sup>TM/MC</sup> solution at 1–4 oz. / U.S. gal. (8–32 mL/L) for 5–10 minutes at 48–82°C (120–180°F).
3. Rinse thoroughly with water.
4. Sanitize as required with the appropriate Diversey sanitizer.

### Cleaning-in-Place (CIP) or Process Vats, Vessels or Lines:

1. Rinse immediately after use with water until discharge water is clear.
2. Circulate a solution using 1–4 oz. / U.S. gal. (8–32 mL/L) at 60–82°C (140–180°F) water.
3. Rinse thoroughly with warm water.
4. Sanitize as required with appropriate Diversey sanitizer.

**Soak Cleaning:** Many plastic items become increasingly porous with time. Cosmetic soils can become entrapped in the pores and become extremely difficult to remove. Soaking these items using 2–4 oz. / U.S. gal. (16–32 mL/L) prior of other cleaning methods is recommended for loosening up these soils.

### Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear light yellow to straw liquid
Scent	Surfactant
Specific Gravity	1.13
pH (1%)	12.1
% P	0.0
Total Acidity (H <sub>3</sub> PO <sub>4</sub> )	51.75
Alkyl Phenol Ethoxylates	None

The above data is typical of normal production and should not be taken as a specification.

### Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

### Product compatibility

Adept<sup>TM/MC</sup> cleaner is safe to use on iron, steel, stainless steel and most plastic and rubber compounds when used at recommended levels. This product should not be used on aluminum, copper or brass.

### Test Kit

Alkaline Test Kit #409879

### Precautionary Statement

Refer to current Safety Data Sheet.