

# Risil Mat™

Cleaner for Pigmented and Non-Pigmented Personal Care Soils



Liquid alkaline detergent for removing a wide array of stubborn cosmetic and personal care processing residues - oils, creams, emulsions, pigments, and other organics. Includes various surfactants, water conditioners, chelating agents, and other soil suspension and dispersion agents.



## Why Risil Mat?

### Convenient to use

- Works in existing CIP systems as a one-part cleaning program
- Risil Mat is designed for cleaning complex emulsions and pigments without the need for additives

### Saves labor and time

- Risil Mat used through a full CIP cleaning cycle will help eliminate time used to disassemble and manually clean pipes
- Risil Mat removes problematic soils faster than other solutions and rinses free quickly

### Documentation package

- Technical data sheet
- Residue test method
- Safety data sheet
- Certificate of Analysis
- Toxicological data sheet

### Subject to incoming goods control

Appearance	Brown	Density	1.13 kg/L - 9.41 lb/gal
1% Solution pH	11.5 - 12.5		

### Properties

Concentrate	Storage stability	14°F - 104°F / 10°C - 40°C
	Frost resistance	Freeze / Thaw Stable
Application solution	pH	pH of 11.5 - 12.5 at use dilution
	Conductivity	3.02 mS/cm (1%, 77°F / 25°C in demineralized water)
	Foam behaviour	Non-foaming at or above 122°F (50°C)
Material compatibility	Metals	Steel, austenitic CrNi steels (quality at least AISI 304)
	Plastics	Silicone, EPDM, Buna-N, Viton, Teflon, and Neoprene

## Risil Mat™

## Application

## Mode of application

**Automated cleaning (homogenizers, pipelines, tanks, parts washers)**

**Concentration:** 1 - 6% **Temperature:** 60°C - 80°C **Contact time:** dependent on degree and nature of soiling

Before switching on the spray devices, it is recommended that the solution is heated up to > 50°C to prevent the formation of foam. Include a final rinse with cold water of minimum drinking water quality, ensuring that all soil and product residues are removed.

Concentration, temperature and cleaning time can be optimized by evaluation of respective cleaning trials.

## Monitoring

## Titration

Test Kit 501 or Test Kit 301 - Alkaline Test Kit

## Ecological evaluation

## Evaluation

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

## P-content

Formula ingredients contain no phosphorus.

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 are given in the Safety Data Sheet available at [www.ecolab.com/sds-search](http://www.ecolab.com/sds-search). For further information, 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	Compliant sales location	Order code
5 gal	EN, ES, FR	6302010
55 gal	EN, ES, FR	6300979
304 gal	EN, ES, FR	6300980

## WORLDWIDE HEADQUARTERS

1 Ecolab Place  
St. Paul, MN 55102  
USA

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

