

ALKALINE CLEANER - NON-CHLORINATED

Risil Mat™

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, and also suitable for manual applications.
- Risil Mat is designed for cleaning complex emulsions and pigments without the need for additives.
- Also suitable for industrial cleaning applications.

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 problem soils faster than other solutions and rinses free quickly.

DOCUMENTATION PACKAGE

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

SUBJECT TO INCOMING GOODS CONTROL

| | | | |
|------------|------------------|---------|-------------------------|
| Appearance | Brown | Density | 1.13 kg/L - 9.41 LB/GAL |
| pH | 1% Solution 12.0 | | |

PROPERTIES

Concentrate

| | | | |
|-------------------|----------------------------|------------------|------------------------|
| Storage Stability | 14°F - 104°F / 10°C - 40°C | Frost Resistance | Not Freeze/Thaw Stable |
|-------------------|----------------------------|------------------|------------------------|

Application Solution

| | | | |
|--------------|---|----------------|--------------------------------------|
| pH | pH of 11.5-12.5 at the used dilution | Foam Behaviour | Non-foaming at or above 122°F (50°C) |
| Conductivity | 3.02 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 homogenizers, pipelines, tanks, and other processing equipment, use the following steps. Pre-rinse residues for 5 minutes with 100°F - 140°F/38°C - 60°C water.

Circulate a solution of Risil Mat using equipment that allows for adequate flow rates and coverage of all soiled surfaces. For difficult soils use the highest recommended combinations of temperatures, times, and concentrations.

- ▲ Temperatures: 120°F - 180°F/49°C - 82°C
- ▲ Times: 10 - 30 minutes
- ▲ Concentrations: 0.5% - 6.0% vol/vol

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
- ▲ 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

SAFETY

The relevant Hazard identifications of Risil Mat are given in the Safety Data Sheet available at 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

PRODUCT ORDERING INFORMATION

| UNIT OF SALE | LANGUAGES | ORDER CODE |
|--------------|------------|------------|
| 5 GAL | EN, ES, FR | 6302010 |
| 55 GAL | EN, ES, FR | 6300979 |
| 304 GAL | EN, ES, FR | 6300980 |

WORLDWIDE HEADQUARTERS

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