UNO S F™

Concentrated Cleaner and Degreaser
⇌ Foamless Formulation

UNO S F™ is an aqueous based high strength degreaser which uses advanced cleaning technology to deliver outstanding performance. The excellent dissolving property of UNO S F™ allows the product to achieve optimal results at the operating temperatures of your cleaning equipment. UNO S F™ is a foamless formulation which makes it ideal for applications where foaming could interfere in the cleaning process.

Features & Benefits:
- High strength concentrate, economical to use
- Can be diluted up to 1:40 to suit all cleaning needs
- Ideal for trigger sprayer applications, hot parts washers, ultrasonic baths, dip tanks, floor cleaners and pressure washers
- Optimal cleaning temperature between 45-65°C (113-149°F)
- Can be heated up to 90°C (194°F)
- Removes oils, greases, organic contaminants, pigment coating, markers, smoke, dust, carbon deposits, etc.
- Built in corrosion inhibitors to prevent flash rusting
- Water-based, non-flammable, VOC free
- NSF registered under category code A1, registration no. 142609
- Solvent, phosphate and butyl-free
- UNO S F™ is a foamless formulation
- Also available in foamy version (UNO S™)

### Description | Size | Order No. | MSDS
--- | --- | --- | ---
Sprayer | 500ml | 53-G 023 | L-48E
Liquid | 3.78L | 53-G 016 | L-48E
Liquid | 20L | 53-G 017 | L-48E
Liquid | 208L | 53-G 018 | L-48E
Liquid | 1000L | 53-G 019 | L-48E

**ACCESSORIES**

- Spout for 5L pail: 53-L 113
- Spout for 20L pail: 53-L 207
- Faucet for 208L drum, 2": 53-L 209
- Faucet for 208L drum, ¾": 53-L 210
- Replacement trigger sprayer, 500 ml: 53-L 315
- Replacement trigger sprayer, 950 ml: 53-L 158

**Technical Information**

- **Density**: 1.04 g/ml (at 68°F)
- **Flashpoint**: N/A
- **Odor/color**: Mild odor, light pink
- **pH** (at 100g/L H₂O): 12.5
- **Rinsability**: Excellent
- **VOC**: 0% wt

(M)SDS available upon request or visit our web site at [www.walter.com](http://www.walter.com)

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**Concentrated Cleaner and Degreaser**

⇒ **Foamless Formulation**

### Application dilution chart:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Dilution ratio</th>
<th>Dilution %</th>
<th>Application</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger sprayers</td>
<td>1:40 - 1:30</td>
<td>2.5% - 3.3%</td>
<td>Removal of light organic contaminants</td>
<td>Aluminum and Non-Ferrous Alloys, Plastics</td>
</tr>
<tr>
<td>Trigger sprayers</td>
<td>1:40 - 1:10</td>
<td>2.5% - 10%</td>
<td>Removal of light organic contaminants</td>
<td>Steel, Stainless Steel</td>
</tr>
<tr>
<td>Trigger sprayers</td>
<td>1:10 - Pure</td>
<td>10% - Pure</td>
<td>Removal of heavy organic contaminants</td>
<td>Steel, Stainless Steel</td>
</tr>
<tr>
<td>Ultrasonic baths</td>
<td>1:40 - 1:30</td>
<td>2.5% - 3.3%</td>
<td>Removal of light organic contaminants</td>
<td>Aluminum and Non-Ferrous Alloys, Plastics</td>
</tr>
<tr>
<td>Ultrasonic baths</td>
<td>1:40 - 1:10</td>
<td>2.5% - 10%</td>
<td>Removal of light to heavy organic contaminants</td>
<td>Steel, Stainless Steel, Plastics</td>
</tr>
<tr>
<td>Ultrasonic baths</td>
<td>1:10 - Pure</td>
<td>10% - Pure</td>
<td>Removal of heavy organic contaminants</td>
<td>Steel, Stainless Steel</td>
</tr>
<tr>
<td>Floor washing machines</td>
<td>1:30 - 1:10</td>
<td>3.3% - 10%</td>
<td>Maintenance and degreasing of floors</td>
<td>Tiled Floors, Hard Floors, Concrete, Epoxy Coated Floors, Linoleum, etc.</td>
</tr>
<tr>
<td>Pressure washers</td>
<td>1:40 - 1:30</td>
<td>2.5% - 3.3%</td>
<td>Pressure washing</td>
<td>Aluminum Truck Bodies, Vehicle Bodies, Siding</td>
</tr>
<tr>
<td>Pressure washers</td>
<td>1:30 - 1:20</td>
<td>3.3% - 5%</td>
<td>Pressure washing</td>
<td>Truck and Vehicle Bodies, Floors, Walls, Vinyl Sidings, etc.</td>
</tr>
<tr>
<td>Hot parts washers</td>
<td>1:40 - 1:30</td>
<td>2.5% - 3.3%</td>
<td>Cleaning and degreasing of parts with light organic contaminants</td>
<td>Aluminum and Non-Ferrous Alloys, Plastics</td>
</tr>
<tr>
<td>Hot parts washers</td>
<td>1:40 - 1:10</td>
<td>2.5% - 10%</td>
<td>Cleaning and degreasing of parts with light to heavy organic contaminants</td>
<td>Steel, Stainless Steel, Plastic</td>
</tr>
<tr>
<td>Hot parts washers</td>
<td>1:10 - Pure</td>
<td>10% - Pure</td>
<td>Cleaning and degreasing of parts with heavy organic contaminants</td>
<td>Steel, Stainless Steel</td>
</tr>
<tr>
<td>Dip tanks</td>
<td>1:10 - Pure</td>
<td>10% - Pure</td>
<td>Soaking of light and heavy organic contaminants</td>
<td>Steel, Stainless Steel</td>
</tr>
</tbody>
</table>

### Dilution Chart

<table>
<thead>
<tr>
<th>Dilution ratio</th>
<th>Dilution %</th>
<th>ml of cleaner/1L of water</th>
<th>fl. oz. of cleaner/1 gal of water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:40</td>
<td>2.5%</td>
<td>25ml</td>
<td>3.2 fl. oz.</td>
</tr>
<tr>
<td>1:30</td>
<td>3.3%</td>
<td>33ml</td>
<td>4.3 fl. oz.</td>
</tr>
<tr>
<td>1:20</td>
<td>5%</td>
<td>50ml</td>
<td>6.4 fl. oz.</td>
</tr>
<tr>
<td>1:10</td>
<td>10%</td>
<td>100ml</td>
<td>12.8 fl. oz.</td>
</tr>
<tr>
<td>1:5</td>
<td>20%</td>
<td>200ml</td>
<td>25.6 fl. oz.</td>
</tr>
<tr>
<td>1:2</td>
<td>50%</td>
<td>500ml</td>
<td>64 fl. oz.</td>
</tr>
</tbody>
</table>

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Titration curves:

**Titration curves:**

![Graph showing titration curves with pH values and HCl consumption in drops and milliliters.]

**Titration instruction:**

Receiver: 100 ml

Titration dilution: 1.0 N hydrochloric acid

Indicator: Phenolphthaleine change over point pH9 or when turns clear (no color)

Droppers: 0.04 ml per drop

![Graph showing titration curves with pH values and HCl consumption in milliliters.]

**Titration instruction:**

Receiver: 100 ml

Titration dilution: 1.0 N hydrochloric acid

Indicator: change over point pH7