

# UNO S PF

## High Strength Cleaner/Degreaser

⇒ **Foamless formulation with additional built in corrosion protection**

UNO S PF is an aqueous based high strength degreaser which uses advanced cleaning technology to deliver outstanding performance. The excellent dissolving property of UNO S PF allows the product to achieve optimal results at the operating temperatures of your equipment. UNO S PF is a foamless formulation with additional corrosion protection, making it ideal for automated degreasing of parts which are sensitive to oxidation.

### Features & Benefits:

- High strength concentrate, economical to use
- Can be diluted up to 1:40 to suit all cleaning needs
- Ideal for automated part washers, ultrasonic baths, dip tanks 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.
- Foamless formulation
- Additional built in corrosion protection for degreasing surfaces which are sensitive to oxidation.
- Water-based, non-flammable
- Biodegradable, VOC free
- Solvent, phosphate and butyl-free
- Also available in foamy version (**UNO S**), foamless (**UNO S F**) and viscous (**UNO S V**).



Description	Size		Order No.	MSDS
	Metric	Imperial		
Liquid	20L	5.2 gal.	53-G 097	L-139E
Liquid	208L	55 gal.	53-G 098	L-139E

### ACCESSORIES

Spout for 20L pail	53-L 207
Faucet for 208L drum, 2"	53-L 209
Faucet for 208L drum, ¾"	53-L 210

### Technical Information

<b>Density</b>	1.04 g/ml
<b>Flashpoint</b>	N/A
<b>Odor/color</b>	Mild odor, light pink
<b>pH</b> (at 100g/L H <sub>2</sub> O)	<12
<b>Rinsability</b>	Excellent
<b>VOC</b>	0

MSDS available upon request or visit our web site at [www.biocircle.com](http://www.biocircle.com)

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### Application dilution chart:

Equipment	Dilution ratio	Dilution %	Application	Material
Ultrasonic baths	1:40 - 1:30	2,5% - 3,3%	Removal of light organic contaminants	Aluminum and Non-Ferrous Alloys, Plastics
Ultrasonic baths	1:40 - 1:10	2,5% - 10%	Removal of light to heavy organic contaminants	Steel, Stainless Steel, Plastics
Ultrasonic baths	1:10 - Pure	10% - Pure	Removal of heavy organic contaminants	Steel, Stainless Steel
Pressure washers	1:40 - 1:30	2,5% - 3,3%	Pressure washing	Aluminum Truck Bodies, Vehicle Bodies, Siding
Pressure washers	1:30 - 1:20	3,3% - 5%	Pressure washing	Truck and Vehicle Bodies, Floors, Walls, Vinyl Sidings, etc.
Hot parts washers	1:40 - 1:30	2,5% - 3,3%	Cleaning and degreasing of parts with light organic contaminants	Aluminum and Non-Ferrous Alloys, Plastics
Hot parts washers	1:40 - 1:10	2,5% - 10%	Cleaning and degreasing of parts with light to heavy organic contaminants	Steel, Stainless Steel, Plastic
Hot parts washers	1:10 - Pure	10% - Pure	Cleaning and degreasing of parts with heavy organic contaminants	Steel, Stainless Steel
Dip tanks	1:10 - Pure	10% - Pure	Soaking of light and heavy organic contaminants	Steel, Stainless Steel

Dilution Chart			
Dilution ratio	Dilution %	ml of cleaner/ 1L of water	fl. oz. of cleaner/ 1 gal of water
1:40	2,5%	25ml	3,2 fl. oz.
1:30	3,3%	33ml	4,3 fl. oz.
1:20	5%	50ml	6,4 fl. oz.
1:10	10%	100ml	12,8 fl. oz.
1:5	20%	200ml	25,6 fl. oz.
1:2	50%	500ml	64 fl. oz.

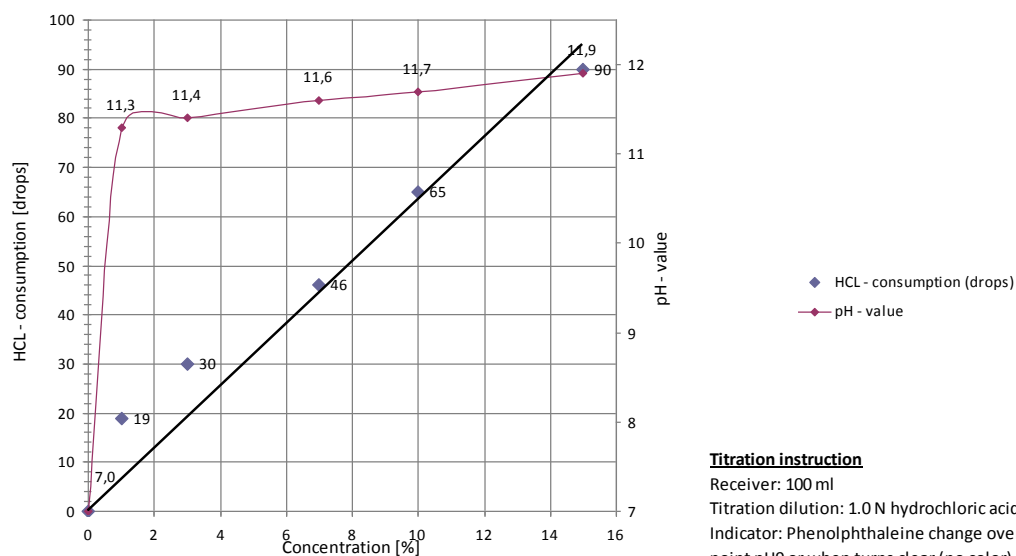
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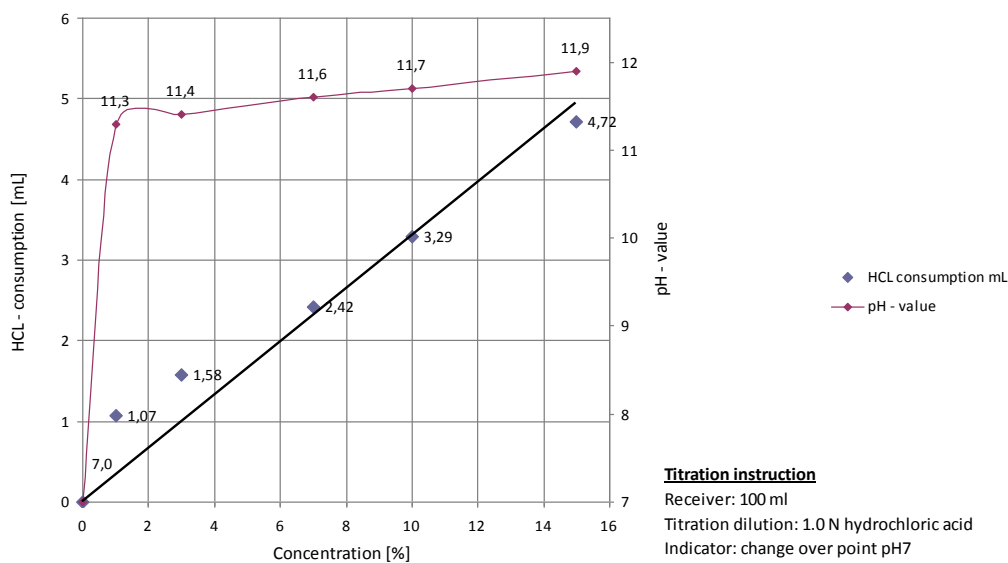
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### Titration curves:



#### 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



#### Titration instruction

Receiver: 100 ml  
Titration dilution: 1.0 N hydrochloric acid  
Indicator: change over point pH7

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