



Product Application & Results

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PRODUCT: **Ultraflex[®] LiquiBase 030** **Stock # UF030**

Description: Super concentrated high strength alkaline liquid detergent base for a variety of cleaning applications. The high-tech builder combination provides an excellent base for Touchless cleaning as well as other tough cleaning tasks. This alkaline liquid detergent base should be combined with various Ultraflex[®] Blends for a variety of applications.

Color: Light Straw

Scent: Mild

Foaming Ability: None

<u>Features</u>	=	<u>Benefits</u>
Ultra Concentrated	=	Convenience and Value: A single reservoir will wash on average 900 cars.
Liquid Product	=	Eliminate the need for chemical mixing equipment.
Titratable	=	Quickly determine dilution ratio.
None-Phosphate chemistry	=	Eco-Friendly for use in any car wash market.

<u>Application</u>	<u>Base/Blend Ratios</u>		
	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
<u>Touchless In-Bay</u> Presoak – Base 030 and Blends	1.5:1	2.5:1	2:1
<u>Friction & Hybrid Systems</u> Presoak – Base 030 and Blends	2:1	3:1	2.5:1
	<u>Dilution Ratios</u>		
<u>Application</u> High pressure Cleaning and Prep Guns, low Pressure Presoak, Tire&Wheel Cleaner Application	1:200	1:300	1:250

Ultraflex[®] LiquiBase 030 can be drawn direct using checkhub (P21000001) and single tip configuration.

Required strength of product dilution will vary depending on cleaning conditions and type and condition of equipment used.

Guidelines for Application

Water Quality: Use SOFT WATER for best performance! Hard water with hardness over 15 grains can be used for making solution of LiquiBase 030.

Solution Temperatures: Cleaning will improve if applied with warm (100°F) water. Warm water is especially recommended in colder weather.

Caution: In Tire & Wheel Cleaner Application extremely hot wheels can be

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damaged by ANY cleaning product. In summer encourage customers to cool wheels before cleaning.

Dwell time: Allow a minimum of 30 seconds prior to following with either a high-pressure wash or high-pressure rinse.

Economy: Reduce volume through alternative nuzzling, equipment changes. Do-not over-heat dilution water as it wastes energy and can decrease product effectiveness.

Special Instructions

Normal clear PVC vinyl draw tubing (P20010002-100) can be used from reservoir to the point of dilution.

LiquiBase 030 and all Ultraflex Blends are insoluble in each other and will separate to layer of liquid Blend and layer of liquid base. Only Blend 102 coagulates and forms gel-like substance. All separated systems, then fully dissolved in water, form alkaline presoak with regular parameters similar to solutions from individual products. Therefore, Blend 101, 103, 104, 106 and Special Cleaner 280 can be metered together with LiquiBase 030 using checkhub (P21000001) or Y- or T-type connectors.

Blend 102 and Liquibase 030 should be metered only using two separate ports or separate pumps to avoid possible clogging of the tips.

Titration Charts for Ultraflex® LiquiBase 030.

Use the charts below to determine dilution ratio. Determine the water-blank to be subtracted from the titration prior to comparing to the following charts. It's easy to use "High Alkaline Titration Test Kit T-102K" with less drops for initial approximate dilution ratio and then use "Alkaline Titration Test Kit T-100A" for precise dilution ratio.

This chart uses "Alkaline Titrant" and a water blank must be titrated and subtracted from your drops before comparing to this chart. Sample size = 1 tube	Dilution	Drops
	1:100	66
	1:150	46
	1:200	35
	1:250	29
	1:300	24
	1:350	22
	1:400	20

This chart uses "High Alkaline Titrant" and a water blank must be titrated and subtracted from your drops before comparing to this chart. Sample size = 1 tube	Dilution	Drops
	1:100	15
	1:150	10
	1:200	8
	1:220	7
	1:260	6
	1:330	5
	1:400	4

Viscosity – temperature relation.

Viscosity of this product is changing slightly with temperature according chart below (water viscosity at 72°F = 1 centipoises, cp). Because viscosity does not changing significantly with temperature, NO ADJUSTMENT of metering tips or pump setting is required to keep similar flow of product through metering devices.

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Temperature, °F	Viscosity, cp
0	75
10	51
20	37
30	28
40	21
50	17
60	14
70	12
80	10
90	8
100	7

LiquiBase 030 does not freeze at -20°F.