



# Product Application & Results

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**PRODUCT:** Ultraflex® Tire & Wheel 505      **Stock #** UF505  
**High Alkaline**

**Description:** Ultra concentrated high foaming liquid tire and wheel cleaner for any type of car washes. Contains a highly effective surfactant and solvent system for maximum cleaning and economics. Product optimized for quick penetration of brake dust and road film and diminishing adhesion between dirt and surface of rim and tire.

**Color:** Blue

**Scent:** Mild Detergent

**Foaming Ability:** High

**Features**

Ultra Concentrated

High Foaming

Titrateable

Surfactant based chemistry

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**Benefits**

Convenience and Value.

Customer appeal.

Quickly determine dilution ratio.

Safety and good cleaning effectiveness.

**Application**

**Dilution Ratios**

Foam or Spray in Tire/Wheel Cleaner applications

**Strongest**

1:20

**Weakest**

1:50

**Average**

1:30

Ultraflex® Tire & Wheel 505 High Alkaline can be drawn direct by using 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! In hard water (over 5 grains) increase strength by 10% for each grain of water hardness.

**Solution Temperatures:** Cleaning will improve if applied with warm (100°F) water. Warm water is especially recommended in colder weather. **Caution:** Extremely hot wheels can be 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.

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**Special Instructions**

**Titration Chart:** Use the chart below with “**High Alkaline Titration Test Kit**” T-102K to determine dilution ratio. Determine the water-blank to be subtracted from the titration prior to comparing to the following chart.

<b>Titration Chart For Ultraflex® Tire &amp; Wheel 505 High Alkaline</b>	<b>Dilution</b>	<b>Drops</b>
This chart uses "High Alkaline Titrant" and water blank must be titrated to subtract from your drops before comparing to this chart. Sample size = 1 tube	1:15	28
	1:20	22
	1:25	18
	1:30	15
	1:35	13
	1:40	11
	1:50	10

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

**Viscosity – temperature relationship**

Viscosity of this product changes with temperature as shown in the chart below (water viscosity at 72°F = 1 centipoises, cp). Significant change in product temperature requires ADJUSTMENT of metering tips or pump setting to keep similar flow of product through metering devices.

<b>Temperature, °F</b>	<b>Viscosity, cp</b>
40	54
50	39
60	29
70	23
80	18
90	15
100	12
110	10