



Product Application & Results

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PRODUCT:

LiftOff®

Stock # 1905

Description: Dilutable high-alkaline non-caustic wheel cleaner that quickly attacks brake dust.

Color: Orange

Scent: Mild

Foaming Ability: Medium

<u>Features</u>	=	<u>Benefits</u>
Special Penetrators	=	Removes brake dust
Non-acid	=	Use to clean all types of wheels
Marketing materials	=	Help boost extra service sales.
Dilutable	=	Increases profits

Application

Dilution Ratios

	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
All wheel application methods:	1:8	1:12	1:10
Engine Degreasing:	1:8	1:12	1:10

Apply liberally to wheels with hand sprayer or automatic system. Rinse off with either high or low-pressure water.

Guidelines for Application

IMPORTANT: DO NOT APPLY TO HOT WHEEL SURFACES!

Cool wheels if necessary to avoid marking.

Water Quality: Use Soft Water! If water is hard use stronger concentrations.

Solution A cold mixture works fine. Use a warm mixture for better results. Do not use
Temperatures: hot water!

Dwell Time: 15 to 60 seconds. A longer dwell will produce better results.

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Alternative Products

Freedom[®] XL: Dilutable non-acid wheel cleaner with d-limonene.

Titration of LiftOff[®] Wheel Cleaner

Use CSI "High Alkaline Titration Kit"

Note: Due to the high alkalinity of this product, the diluted sample must be accurately "pre-diluted" prior to the titration. The pre-dilution ratio is 1 + 4 using the kit's standard tube as follows:

1. Fill one sample tube with diluted sample of product and pour into container large enough for 5 times this amount.
2. Fill the same sample tube with water, pour into the container and repeat for a total of 4 tubes of water.
3. Stir or shake to mix and let set. Extract one tube of this prediluted solution to use for the titration, and discard the rest.
4. Titrate the pre-diluted solution using the "High Alkaline Titrant."
5. Run a single tube water-blank on the tap water and subtract the water-blank from the sample titration

This chart uses the "High Alkaline Titrant" and a water blank must be titrated to subtract from your total drops before comparing to the curve.	Dilution	Drops
	1:5	19
	1:6	16
	1:7	14
	1:8	12
	1:9	11
	1:10	10
	1:15	7
1:20	6	