

Formulation

Name **INDUSTRIAL, RECLAIM-COMPATIBLE CAR WASH CONCENTRATE**

No. 1196

Description A concentrated car wash formulation for car wash operators. This formulation uses cationic-compatible surfactants to prevent coagulation in the reclaim pit.

Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u>	<u>Functionality</u>
	Deionized Water	q.s. to 100.0	Diluent
	AMPHOSOL® HCG	60.0	Primary Surfactant
	AMMONYX® LMDO	18.0	Secondary Surfactant
	Dowanol DPnB (Dow Chemical) Dipropylene Glycol n-Butyl Ether	3.0	Solvent
	Dye	q.s.	Additive
	Fragrance	q.s.	Additive
	Preservative	q.s.	Additive
	Total	100.0	

Procedure Mix ingredients in order shown until homogenous.

Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	6.5
	Viscosity at 25°C, cps	< 50
	Solids, %	27
	VOC (calculated) at 1:500 dilution level, %	0.01

Storage/Stability	4 weeks at 50°C	Stable (color will darken when exposed to heat)
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
	Freeze/thaw, 3 Cycles	Stable

Instructions for Use This formulation is to be diluted to 1:500 and applied with the proper car-wash equipment.

External Comment
 Marketing Notes: When used at Stepan's recommended dilution level of 1:500, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012). Dowanol DPnB is a low-vapor pressure VOC (LVP-VOC) and is exempt from the VOC calculation. AMMONYX® LMDO is an approved ingredient on www.cleangredients.org. For further information, visit our website or www.cleangredients.org. Label and/or trademark usage of the final product is the sole responsibility of the finished product manufacturer. This product does not contain Nonylphenol Ethoxylates (NPEs) or Cocamide DEA. AMMMONYX® LMDO is used as an alternative to Cocamide DEA.

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For Additional Assistance
 For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).
 For ordering assistance, call our Account Service Department at 1-800-457-7673.

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