



Formulation

Name	TRANSPORT VEHICLE BRIGHTENER AND CLEANER	
No.	261	
Description	This is a phosphoric acid and oxalic acid based formulation for use in brightening aluminum and stainless steel surfaces on transport vehicles.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Phosphoric Acid	25.0 Brightener
	Oxalic Acid	2.0 Brightener
	Dowanol DPnB (Di Propylene Glycol n-Butyl Ether) Dow	5.0 Solvent
	BIO-TERGE® PAS-8S	10.0 Surfactant
	Deionized Water	58.0 Diluent
	Total	100.0
Procedure	<ol style="list-style-type: none"> 1. Charge tank with Deionized Water 2. Dissolve Oxalic Acid. 3. Add remaining ingredients while mixing. 	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	<1.0
	Density at 25°C, lbs/gal	9.5
	VOC (Calculated), %	0
Storage/ Stability	Freeze/Thaw, 3 cycles	Stable
	4 weeks at 50°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 4°C	Stable
Instructions for Use	<p>Dilute 1:20 to 1:10 with water for washing aluminum trucks, trailers, and railroad cars. Use with high pressure spray equipment. Follow up with water rinse. For brightening aluminum parts, use formula as is or diluted, depending upon the condition of the surface and alloys being cleaned. Product is highly acidic. Use appropriate personal protective wear (acid resistant gloves, clothing and face shield/goggles).</p> <p>Excellent for brightening of aluminum and stainless steel surfaces. Product effectively removes oxides from metal surfaces. BIO-TERGE® PAS-8S gives a foam blanket, which allows longer contact time when sprayed on vertical surfaces during vehicle washing.</p>	
External Comment	<p>Marketing Notes: When used as per Stepan's recommendation, 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). BIO-TERGE® PAS-8S is an approved ingredient on www.cleangredients.org. This formulation does not contain Nonylphenol Ethoxylates (NPEs).</p>	
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Company

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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