

Carspray™ 800

CARSPRAY™ 800 is a superior, readily biodegradable cationic emulsifier for automatic car wash rinse aid formulations promoting beading and rapid roll-off of rinse water.

Chemical and Physical Properties (Not Part of Specifications)

Appearance @ 25° C	Clear yellow liquid
Pounds per Gallon	7.8 lbs.
Flash Point (PMCC)	77° F

Properties

- Superior beading properties
- Excellent emulsifier
- Substantive to surfaces
- Protects finish
- Promotes gloss
- Readily formulates with MSO and Ester Oils

Certifications

CARSPRAY™ 800 has been reviewed against and has met the relevant DfE criteria (e.g., the DfE Criteria for Safer Surfactants) and is listed in CleanGredients®.

Packaging

CARSPRAY™ 800 is available in a 390 pound drum or bulk.

Storage and processing recommendation

The product can be stored in sealed original package at temperatures between 20 °C (68 °F) and 25 °C (77 °F) for at least 6 months after date of delivery. At temperatures below 0 °C

(32 °F) the product could be damaged.

Hazardous goods classification

Please refer to our Material Safety Data Sheet (MSDS) for information concerning:

- Classification and labeling according to Regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fires
- Toxicity and ecological effects

Guideline Formulations using Biodegradable Oils*:

Guideline Formulation

Ingredients	% by Weight
CARSPRAY™ 800	14.8
TEGOSOFT® OS (Ester Oil)*	19.7
Ethylene glycol monobutyl ether	5.5
Diethylene glycol butyl ether	3.9
Water (soft or RO recommended)	Balance

Guideline Formulation

Ingredients	% by Weight
CARSPRAY™ 800	16.5
TEGOSOFT® OS (Ester Oil)*	18.8
Ethylene glycol monobutyl ether	6.6
Dipropylene glycol butyl ether	4.7
Water (soft or RO recommended)	Balance
TEGO Polish Additiv® Q70 **	up to 2.0

Guideline Formulation

Ingredients	% by Weight
CARSPRAY™ 800	7.6
TEGOSOFT® OS (Ester Oil)*	8.5
Propylene glycol butyl ether	7.9
Diethylene glycol butyl ether	1.8
Water (soft or RO recommended)	Balance

Guideline Formulations using MSO:

Guideline Formulation

Ingredients	% by Weight
CARSPRAY™ 800	15.2
MSO (Kensol 61, Calumet 600 or comparable)	19.1
CARSPRAY™ 205	5.1
Ethylene glycol monobutyl ether	10.5
Water (soft or RO recommended)	Balance

Blending procedure

Combine all the ingredients except water in a vessel and mix thoroughly. Add the measured amount of water while mixing into the liquid vortex. Mix until emulsion is homogeneous and clear. There must be good mixing (good vortex) to emulsify easily. The quality of mixing will directly influence the ease of emulsion formation.

** For premium performance, add TEGO Polish Additiv® Q70 to the final rinse aid during stirring.

Please note

Slight modification to your final formulation may be necessary as the distillation range, chain length distribution of the raw material stocks in your formula may vary.

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