

EMS Ready-Mix Truck Wash and Wax

WORLD'S ONLY NON-D.O.T. REGULATED, OEM and DfE APPROVED TRUCK WASH

- Removes Concrete
- Non-Corrosive
- 100% Synthetic Acid
- Removes Grease & Soot
- Eliminates Rust
- Safe on Glass & Chrome
- Carnauba Bean Wax
- Anti-Stick Coating
- One-Step Process
- Non D.O.T. Regulated
- OSHA Compliant
- Safe on Skin

Until now, the only effective way to remove concrete from ready mix trucks has been the use of harsh acids. While these acids eat away the concrete, they pose significant dangers to the truck, the environment and the person washing it.

EMS Ready Mix Truck Wash and Wax is a non-corrosive, non-skin irritant, and 100% biodegradable truck wash that removes concrete as effectively as traditional acids or organic salts. Powered by SynTech[®], the world's only synthetic acid, Ready Mix Truck Wash and Wax earns a triple-zero HMIS score. Its unmatched safety profile and performance earns the approval and recommendation of OEM industry giants - a claim no other wash can make.

Along with Syntech, this all-in-one wash contains the finest grease cutters detergents, brighteners, natural rust inhibitors and bean waxes. A simple one-step application quickly removes grease, oil, rust, grime, diesel stains and soot and protects your substantial investment from the elements. Apply and rinse. No neutralizing step is required. It is so safe it can be left on overnight to loosen the heaviest buildup.

And because Ready Mix Truck Wash and Wax contains no acid and is non-corrosive, you can apply it to any part of the truck, including glass, chrome, aluminum, rubber, plastic and paint. Our newest formulation boasts the benefits of Fusion, our safe but potent anti-stick agent, making it harder for stains and concrete to adhere to the truck.

Ready Mix Truck Wash and Wax has been recognized for safer chemistry by the EPA's Design for Environment program and is certified as a direct release product.



Recognized for Safer Chemistry
www.epa.gov/dfe



syntech[®]

Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Mild Soapy Odor**
COLD STABILITY: **-37° F**
DETERGENCY: **Excellent**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **3 Years**

SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **212° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Thin**

Dissolving Properties

Calcium Oxide Dissolving Properties with 3 Minute Exposure

Ready Mix Truck Wash	9.1
HCl (Muriatic)	8.9
Urea HCL	7.2
Urea Sulfuric	6.1
Phosphoric	0.9
Citric	0.0
Lactic	0.2
Acetic	0.1
Glycolic	0.2
Oxalic	0.0
Malic	0.4

Test Conditions

200 grams of 5% active solution
1 Calcium Oxide Cube
3 Minutes @ 70° F

Clearly, Ready-Mix Wash and Wax out performs other acids when it comes to dissolving calcium oxide, except HCl (Muriatic) which is highly corrosive.

Metal Studies

Dept. of Transportation (D.O.T.) Test Protocols as per Section 173.154 Exceptions for Class 8 (corrosive materials): The material being tested must be proven to be non-destructive or not to cause irreversible alterations in human skin tissue. Testing was conducted on an albino rabbit.

Conclusion: Ready-Mix Wash and Wax was proven to be NON DESTRUCTIVE on human skin tissue.

Metal Test Limits: D.O.T. Classifies a material to be CORROSIVE if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel.

Results of Ready-Mix Wash & Wax: SAE 1020 carbon steel = 0.19 mmpy

Conclusion: Ready-Mix Wash and Wax is NON-CORROSIVE

Guarantee

EMS guarantees this product to be free from urea hydrochloride, other organic salts and traditional acids, free from defects and true to its contents. When used per label directions and dilutions, EMS guarantees the use of this products will not void your manufacturers vehicle warranty for rust, corrosion and paint.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

LC 50 and LD 50 (rat oral) scores found RMWW to be NON-TOXIC.

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals

Ready-Mix Wash and Wax was found NOT TO BE MUTAGENIC

Dermal Irritation & Corrosion Test

A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.

Ready-Mix Wash and Wax received a Primary Irritation Score of .51 +/-0.2 and is classified as a "Non-Skin Irritant"

Biodegradation & Aquatic Safety

Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

Test Results Conclude Ready-Mix Wash and Wax was found to be 100% Biodegradable

COD = **Low Detectable Limits**

BOD = **No Detectable Limits**

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
NON-Regulated

FDA

Approved as Safe (GRAS)

USDA Authorization

A1, A2, A3, A4, A7, A8, C2, G6 & G7

EPA Design for Environment

Recognized for Safer Chemistry www.epa.gov/dfc

Winner

Most Innovative Product, Hanley Wood Publications

Additional Studies & Results: When tested, Ready-Mix Wash and Wax showed no potential for the generation of Carbon Dioxide under NIOSH 7903, OSHA & ACGIH testing protocols governing workplace environments.

©2011 Environmental Manufacturing Solutions Distribution, L.L.C. All rights reserved. SynTech and all other EMS brands and product names are trademarks of Environmental Manufacturing Solutions. All other brands are trademarks of their respective companies.