



EMS Mobile Mixer Wash and Wax

WORLD'S ONLY NON-D.O.T. REGULATED AND OEM-APPROVED TRUCK WASH

- Removes Concrete
- Non-Corrosive
- 100% Synthetic Acid
- Removes Grease & Soot
- Eliminates Rust
- Safe on Glass & Chrome
- Polymerized Wax
- UV Deterrents
- One-Step Process
- Non-D.O.T. Regulated
- OSHA and EPA Compliant
- Non-Skin Irritant

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

EMS Mobile Mixer Wash and Wax is a non-corrosive, non-skin irritant, and biodegradable truck wash that removes concrete as effectively as traditional acids. Powered by SynTech®, the world's only synthetic acid, Mobile Mixer Wash and Wax earns a triple zero HMIS score.

Along with SynTech, this all-in-one wash contains the finest detergents, brighteners and inhibitors. We add grease cutters to aid in the removal of everyday hydraulic fluid seepage and natural bean waxes to further coat and protect your vital mixer parts. UV Ray deterrents, along with rubber and plastic conditioners were added to condition the hydraulic hoses, preventing premature failure and cracking.

A simple one-step application quickly removes grease, oil, rust, grime, dirt, 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 EMS washes contain no acid and are non-corrosive, you can apply them to any part of the truck, including glass, chrome, aluminum, rubber, plastic and paint. This makes EMS Mobile Mixer Wash and Wax unique to all other washes, and why it is the world's only truck wash to earn Original Equipment Manufacturer (OEM) approvals.

Mobile Mixer Wash also boasts the benefits of SynGuard, our safe but potent fluorosurfactant. Similar to additives like Dupont's Teflon®, SynGuard provides exceptional anti-stick properties making it more difficult for stains and concrete to adhere to the truck's surfaces.



Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Mild Soapy Odor**
COLD STABILITY: **-15° 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%**
CARCINOGENS: **None**
VOLATILE BY VOLUME: **N/A**
BIODEGRADABLE: **Yes/100%**
VISCOSITY: **Thin**

Dissolving Properties

Calcium Oxide Dissolving Properties with 3 Minute Exposure

Acid %	% Dissolved
HCl (Muriatic)	8.9
Mobile Mixer W&W	8.5
Sulfamic	1.6
Formic	0.7
Phosphoric	0.9
Citric	0.0
Lactic	0.2
Acetic	0.1
Glycolic	0.2
Gluconic	0.1
Rydlyme	0.3
Oxalic	0.0
Malic	0.4

Test Conditions

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

Clearly, Mobile Mixer Wash and Wax out performs 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: Mobile Mixer 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 Mobile Mixer: SAE 1020 carbon steel = 0.67 mmpy

Conclusion: Mobile Mixer Wash and Wax is NON-CORROSIVE

Dilution Specifications

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

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

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals

Mobile Mixer 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.

Mobile Mixer Wash and Wax received a Primary Irritation Score of 1.1 +/-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 Mobile Mixer Wash & 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)
(CGMP) CFR 184.1923

USDA Authorization

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

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