



EMS Prep Wash

NON-SOLVENT, NON-BUTYL PREP WASH

- Non-Solvent
- Non-Butyl
- Non-Flammable
- Non-Fuming
- Floats Away Oils
- Non-D.O.T. Regulated
- Exceeds EPA Regs
- Water Soluble
- Safe on Plastic, Steel
Aluminum and Fiberglass

Until now, the only effective way to prepare surfaces for coating, plating and/or finishing has been to use harsh solvents which pose significant dangers to the environment and to the person washing it.

EMS Prep Wash is a solvent-free, non-butyl and biodegradable truck wash that floats away natural and stored oils from aluminum, steel, fiberglass and plastic as effectively as harsh solvents and without leaving a residue behind.

Like any EMS product, Prep Wash earns a triple zero HMIS score. Its unmatched safety profile earns the recommendation of industry giants Mack, Volvo and many others -- a claim no other truck prep wash can make.

As Prep Wash is non-fuming, it can be used in confined areas without a respiratory system or special ventilation. This unique product is so safe that it carries a USDA Authorization Category Code of A1 deeming it safe for use in and around food processing areas.

Prep Wash is a safe alternative to solvent based pre-coating wash products .



Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Sweet Odor**
COLOR: **Light Amber**
DETERGENCY: **Strong**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **3 Years+**
COLD STABILITY: **30° F**

SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **245° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Thin**
EVAPORATION RATE: **Slow**

Common Uses

Prep Wash is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments to prepare for paint, coatings, etc.

Bulk Haulers
Liquid Food Grade Haulers
Live Stock Haulers
Refrigerated Trucks & Trailers
Pork & Poultry Haulers
Citrus Haulers
Farms
Food Processing Facilities
Beverage Haulers
Recycling Facilities

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: Prep Wash 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 Prep Wash: SAE 1020 carbon steel = 0.00 mmpy

Conclusion: Prep Wash 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) found to be NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals
Prep Wash 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.

Prep Wash received a Primary Irritation Score of 0.4 +/-0.1 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 Prep Wash 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, A4, A8, C1

Mil Specs

Mil-C-25769-H
Mil-C-87936-A

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