



## EMS Food Grade Hauler Wash

WORLD'S ONLY OEM-APPROVED FOOD GRADE TRUCK WASH

- Non-D.O.T. Regulated
- Non-Fuming
- Non-Corrosive
- Brightens Aluminum
- Safe on Chrome
- No Neutralizing Step
- Safe on Glass
- Safe on Paint
- Safe on Skin
- NSF Certified N1 & D1

EMS Food Grade Hauler Wash (FGH) is a non-corrosive, non-skin irritant and biodegradable truck wash that removes grease and animal waste as effectively as traditional acids. Powered by SynTech®, the world's only synthetic acid, FGH earns a triple zero HMIS score. Its unmatched safety profile earns the recommendation of industry giants Mack and Volvo -- a claim no other truck wash can make.

Along with SynTech, this all-in-one wash contains the finest grease cutters, detergents, brighteners and rust inhibitors. A simple one-step application quickly removes grease, oil, rust, grime, dirt, diesel stains and soot and protects your substantial investment from the elements. Special patented additives melt away road salt, calcium and caustics, and keep your trucks and equipment rust free for years to come. Apply and rinse. No neutralizing step is required.

And, because FGH contains no harsh acids and is non-corrosive, you can apply it to any part of the truck, including glass, chrome, aluminum, rubber, plastic and paint. Other washes will claim they are environmentally safe. However, their active ingredients which remove build up and grime also corrode, releasing trace metals, which violates EPA regulations. FGH exceeds OSHA and EPA requirements, carries USDA Authorization codes A1, A2, A4, A8, C1, NSF D1 and N1 and is non-regulated by the D.O.T.



## Technical Data

NITRATE LEVEL: **0% - None**  
FORM: **Liquid**  
ODOR: **Soapy Odor**  
COLOR: **Clear**  
DETERGENCY: **Strong**  
TOXICITY: **Non Toxic**  
WETTING ABILITY: **Excellent**  
STORAGE STABILITY: **3 Year+**  
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

Food Grade Hauler Wash is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments.

### Cleaning Uses

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:** FGH 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 FGH: SAE 1020 carbon steel = 0.00 mmpy

**Conclusion:** FGH 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 FGH to be NON-TOXIC.

**Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals**  
FGH 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.

FGH received a Primary Irritation Score of 0.8 +/-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 FGH 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

### NSF

D1, N1

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