



EMS Omni

ALL-IN-ONE SYNTHETIC REPLACEMENT FOR ACIDS, CAUSTICS AND SOLVENTS

- Acid and Caustic Free
- Non-Butyl, Non-Solvent
- Cuts Grease and Fats
- Non-Emulsifying
- Non-Corrosive
- Non-Skin Irritant
- Non-D.O.T. Regulated
- Produces Thick Foam
- NSF Certified
- MIL PRF 85570 D, Type II & IV
- MIL-C-25769-H
- Meets Boeing D6-17487P

Acids, caustics and solvents have long been used to remove scaling, grease and other build up from vehicles, equipment and buildings. While these chemicals are effective cleaners, they corrode and damage nearly everything they touch, not to mention the danger they pose to personnel who use them and the environment.

Our non-butyl, non-solvent cleaner/degreaser, Omni, replaces acids, solvents and caustics used in so many industries today. Powered by Omni safely lifts grease, dirt, soot, carbon and grime from any surface. Omni also includes SynTech, our patented synthetic acid replacement, to remove hard water spots, mineral and rust stains.

The result is a highly potent and concentrated liquid that can be used to safely clean any surface. At lower dilutions it easily removes heavy build ups of grease and scaling. At higher dilutions Omni can be used used as a vehicle wash and meets aircraft wash specifications. Omni is non-staining and leaves no oily film or gummy residue.

Omni also contains detergents, wetting agents, sequestering agents, penetrates, rust and corrosion inhibitors making it a true all-in-one cleaner. Use Omni in any environment where previously acids, caustics, solvents or any combination of the three were needed. Omni will clean multiple stains and buildup in a single, simple step.

Omni carries NSF certifications A1, A2, A4, A8 and C1. Omni has been recognized for safer chemistry by the EPA's Design for Environment program and is certified as a direct release product.

Omni meets or exceeds military specifications MIL PRF 85570 D, Type II & IV, MIL-C-25769-H and Boeing D6-17477P. EMS is also proud to be on the Priority Procurement List for the U.S. Air Force and NASA for the cleaning of its air/space craft.



Recognized for Safer Chemistry
www.epa.gov/dfc



For technical support call 800-510-8812. For sales or product information call 877-424-6979

Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Soapy Odor**
COLD STABILITY: **-39° F**
DETERGENCY: **Strong**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **3 Years+**

SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **223° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Thin**

Common Uses

Omni is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments. In addition to exceptional degreasing and cleaning power, Omni will descale and remove stains which used to require acid cleaning to remove.

Cleaning Uses

Aircraft
Helicopters
Military Equipment
Heavy Equipment
Vehicles
Industrial Plants
Mills
Schools
Drilling Rigs
NFO Tanks
Ship Holds
Wheel Cleaner
Parts Degreaser

Test Conditions

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

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: Omni proved 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 Omni: SAE 1020 carbon steel = 0.13 mmpy

Conclusion: Omni 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
Omni 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.

Omni received a Primary Irritation Score of .42 +/-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 Omni 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,

Mil Spec

Mil-C-25769-H, MIL PRF 85570 D, Type II & IV
Boeing D6-17487P

NSN: 2.5 gallon jug - NSN 6850-01-563-8931
55 gallon drum - NSN 6850-01-563-8926
275 Gallon tote - NSN 6850-01-563-8919

EPA Design for Environment

Recognized for Safer Chemistry www.epa.gov/dfe

NSF

A1, A2, A4, A5, A8, C1

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