

EMS Fortis

SYNTHETIC ACID, NON-SOLVENT, NON-CAUSTIC CLEANER



- Non-Corrosive
- Non-Caustic
- Acid Free
- Lifts Grease
- Cuts Animal Fats
- Cuts Vegetable Fats
- Non-Emulsifying
- One-Step Process
- Non-D.O.T. Regulated
- Safe on Paint, Metal, Glass
- Eliminates Odors
- NSF Certified

EMS' newly patented synthetic acid system, SynTech[®] replaces harsh and dangerous cleaners in industries from vehicle cleaning, food processing, waste and water treatment. What makes EMS cleaners unique is their ability to outperform the harshest acidic and caustic solutions while remaining non-corrosive,, non-skin irritating and non-regulated by the D.O.T. In fact, they are so safe, they carry a triple-zero HMIS score.

Fortis is a new universal cleaner specifically made to replace dangerous cleaners used in your industry. The synthetic nature of EMS' patented ingredients allows us to combine our low pH SynTech along with our high pH hydrocarbon displacement ingredient SynClean.

Fortis encapsulates and lifts petroleum-based oils, vegetable and animal fats, along with dirt, soils and grime without emulsifying. This combined with no detectable BOD limits and COD limits below 100 means that Fortis will not create additional problems in your waste water runoff.

We also include our bleach and quaternary ammonia replacement Purgo to break down waste solids and remove odor-causing bacteria on contact.

The result is a concentrated liquid that cleans, brightens, deodorizes and protects in a simple one-step process, eliminating costly steps in the cleaning process. Simply apply and rinse.

Fortis is NSF certified for a wide range of uses including A1, A2 A3, A4, A5, A8, C1, C2 and D1.



Technical Data

BIODEGRADABLE: Yes/100%	FLAMMABILITY: Non-Flammable
FORM: Liquid	BOILING POINT: 234° F
ODOR: Mild Detergent Odor	SOLUBILITY IN WATER: 100%
COLD STABILITY: 26° F	VOCs: None
DETERGENCY: Strong	VOLATILE BY VOLUME: N/A
PHOSPHATES: None	CARCINOGENS: None
WETTING ABILITY: Excellent	SHELF LIFE: 1 Year

Common Uses

Fortis is a super concentrated industrial antimicrobial cleaner deodorizer and degreaser.

Common Uses

Use to remove soil, buildup or odors

Kitchen
Toilets
Showers
Tile and Grout
Flooring
Windows
Pavers
Wood
Roofing
Driveways

FIFRA Exempt

This product is exempt from EPA registration under minimal risks pesticides exemption FIFRA section 25(b)

Kills odor-causing bacteria on food contact surfaces and on non-food-contact surfaces.

Kills bacteria that cause spoilage, deterioration, or fouling of materials on a variety of surfaces, textiles and paper products.

Kills bacteria that cause fouling in cooling towers.

Kills odor-causing bacteria.

Effectively controls the growth of algae.

Neutralizes and removes odors.

Removes mold stains from surfaces such as patios, decks and most other structures.

Kills and controls micro-organisms infectious to animals.

DOT STATEMENT

Non-D.O.T. Regulated/Non-D.O.T. Hazardous

EXEMPT as per 49 CFR 173.154(d) (1) <6.25 mmpy

D. O. T. classifies a material to be corrosive and hazardous if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075- Y6 Aluminum.

Dilution Specification

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr. LC 50 and LD 50 (rat oral): NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals: NON-MUTAGENIC

Dermal Irritation & Corrosion

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.

Fortis 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.

Fortis is 100% Biodegradable.

Classifications & Approvals

D.O.T., IMO, IATA, IMDG - Non-Regulated

TDG - Non-Regulated to and through Canada

SARA 313 311/312 - This product does not contain any ingredients that are subject to the reporting requirements.

California Prop 65 - This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.

FDA - Recognized as Safe (GRAS)

USDA Authorization

A1, A2, A4, A8, C3

NSF Authorization

A1, A2, A3, A4, A5, A8, C1, C2 & D1

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