



EMS Pro-Crete

CONCENTRATED, WATER-BASED ANTI-STICK AGENT

- Prevents Rust
- Non-Staining
- UV Protection
- Safe on Leather
- Safe on Wood
- Non-Yellowing
- Apply Every 45 Days
- Non- D.O.T. Regulated

Pro-Crete is a concentrated, water-based formula that will protect equipment from harsh elements, concrete, road film and dust for up to 45 days between applications.

Our formulation not only protects painted surfaces and equipment, it is safe to use on vinyl, plastic, tires, dashboards and soft tops. It's even great for leather and treated wood. Pro-Crete is non-staining and will not yellow like many traditional treatments.

Simply spray, brush, mop or wipe on, then dry with a soft cloth. Once Pro-Crete has penetrated into the surface or material, it blocks out moisture, ozone, ultraviolet rays and oxidation. And as part of a regular maintenance program aids in the prevention of rust.

It can also be used as a release agent. A quick spray of Pro-Crete onto a clean surface will repel cement dust, road salts and other soils for weeks at a time. And because it is water based, clean up is a snap.

Our newest Pro-Crete formulation also boasts the benefits of Syn-Guard, our safe but potent fluorosurfactant. Similar to additives like Dupont's Teflon®, SynGuard provides exceptional anti-stick properties making it more difficult for stains to adhere to the truck's surfaces. Just five applications will provide long-term benefits including a 60% increase of non-stick capabilities of your vehicle surfaces.

EMS has earned the EPA's "Champion" award for participation in its SDSI Program (Safer Detergents Stewardship Initiative).



Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Soapy Odor**
COLD STABILITY: **32° F**
DETERGENCY: **Strong**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **2 Years+**

SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **253° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Medium**

Common Uses

Pro-Crete is a concentrated industrial cleaner and anti-stick agent which at different dilutions can be used in almost countless environments.

Uses

Ready Mix Trucks
Pump Trucks
Gunite Trucks
Cement Equipment
Concrete Mixers
Industrial Plants
Equipment
Drilling Rigs
Marine
Truck & Auto Fleets

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: Pro-Crete 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 Pro-Crete: SAE 1020 carbon steel = 0.00 mmpy

Conclusion: Pro-Crete 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
Pro-Crete 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.

Pro-Crete received a Primary Irritation Score of 0.2 +/-0.1 and is classified as a "Very Mild 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 Pro-Crete was found to be 100% Biodegradable

Ecological Safety

96 hr LC50: Flathead Minnow >500 mg/l = Non-Toxic
96 hr LC50: Bluegill >16 mg/l = Non-Toxic
96hr LC50: Rainbow Trout >16 mg/l = Non-Toxic

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

USDA Authorization

A1, A2, A8, C1, H1, H2

Mil Spec

Mil-PRF-87937
Mil-PFR-87937D

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