



## DISSOLVE FE™

Revision 4  
Revision Date: October 11 2021

**PRODUCT DESCRIPTION**

DISSOLVE FE™ is an equipment and tool cleaner that removes slurry scale and is safe on paint, chrome, wiring, plastic, aluminum, and glass. DISSOLVE FE™ dissolves 15% more concrete than Hydrochloric Acid while remaining safe to you skin and equipment. DISSOLVE FE™ can be left on concrete overnight to remove the heaviest of buildup and when complete can be rinsed with water. DISSOLVE FE™ is biodegradable per OECD 301D, non-fuming, and 100% OSHA safety compliant. DISSOLVE FE™ is also formulated to exceed the EPA's requirements as set forth in the Safer Choice screening process.

**FEATURES**

- Capable of being used as a bath or spray application to remove slurry scale from equipment.
- An acceptable option for removing gunite, or mortar from equipment.
- Outperforms acids and organic salts when it comes to removing Calcium Carbonate, including Muriatic Acid.
- No harsh smell or dangerous fumes and has been proven to pose no inhalation risk, exceeds D.O.T and OSHA requirements and requires no secondary containment.
- Does not generate Carbon Dioxide
- Does not contain phosphates
- No neutralization step required
- Non-Mutagenic

**BENEFITS**

- Triple-Zero HMIS Score
- FDA Approved GRAS
- Non-Corrosive
- Non-Fuming
- Non-Skin Irritant
- 100% Biodegradable

**TECHNICAL INFORMATION**

The formula and ingredients meet and exceed EPA's Safer Choice program requirements for both the safety to the environment and the user

Biodegradable: YES/100%	Flammability: Non-Flammable
Form: Liquid	Boiling Point: 210° F
Odor: Mild Soapy Odor	Solubility in Water: 100%
Cold Stability: -26° F	VOCs: None
Detergency: Moderate	Volatile by Volume: N/A
Phosphates: None	Carcinogens: None
Wetting Ability: Excellent	Shelf Life: 1 Year

**DOT Statement**

Non-D.O.T Regulated/Non-D.O.T. Hazardous  
Exempt as per 49 CFR 173.154(d) (2) <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.

**STORAGE AND HANDLING**

DISSOLVE FE™ is freeze/thaw stable. Keep container closed when not in use. Safety glasses are suggested when handling this product. No special gloves or protective equipment is required. Consult a SlurryMonster representative for tank, piping, valve, hose coupling and fitting recommendations. After use, rinse empty container and discard as per federal, state and local regulations.

**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.

DISSOLVE FE™ 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.

DISSOLVE FE™ is 100% Biodegradable

**CLASSIFICATION & APPROVALS**

D.O.T – 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 – Approved as Safe (GRAS)

USDA Authorization A1, A2, A4, A8, C3

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

**DILUTION SPECIFICATION**

Use DISSOLVE FE™ as a slurry tool descale and cleaning solution. Recommended concentration is packaged for efficacy. DISSOLVE FE™ can be safely diluted with water.

**APPLICATION**

Apply by spray, mop, or cloth. To clean tools or equipment, apply and let sit for 1-3 minutes. Brush or agitate, and rinse thoroughly. Repeat if needed.

To dissolve tough, caked-on slurry, allow solution time to penetrate- typically 15 to 20 minutes or overnight in the most extreme conditions. Rinse thoroughly with water. Extreme buildup may require multiple applications.

**USE**

Great on surfaces to clean rust and scale. Dissolve FE™ can be applied to wires, chrome, paint, aluminum, and glass safely.