EMS Barracuda 10k

WORLD'S ONLY NON-REGULATED and OEM APPROVED CONCRETE STRIPPER

- Removes Concrete
- Non-Corrosive
- 100% Synthetic Acid
- Non-Fuming
- Non-D.O.T. Regulated
- 100% Biodegradable
- Safe on Glass & Chrome
- One-Step Process
- Exceeds OSHA and EPA Safety Requirements
- Removes Mineral Stains
- Safe on Skin

Barracuda 10k is not only the most potent concrete stripper in the world, it is also the safest. Independent tests confirm that EMS Barracuda 10k, formed with EMS' patented SynTech, the world's only synthetic acid, dissolves nearly 15% more concrete than hydrochloric acid. Still, that potency comes with a triple zero HMIS score. Which makes our concrete stripper safe on skin, safe for your equipment and safe to store anywhere you wish.

Barracuda 10k is so safe it is recommended by leaders in the industry including Mack, McNeilus, Oshkosh, London, Indiana Phoenix and others. It is safe on paint, chrome, wiring, plastic, aluminum and even glass.

Barracuda 10k contains no acid and is non-corrosive, meaning it can be appled to any equipment. It is so safe it can be left on on overnight to loosen the heaviest buildup. Ideal for cleaning forms, pavers, portable mixers, swimming pools, tools, windows, anywhere you find cement, gunite or mortar. Any cleaning that once required the use of dangerous, toxic acids can now be safely done with Barracuda 10k. It is entirely synthetic, so no neutralizing step is required. Simply rinse with water.

Barracuda 10k concrete stripper is non-regulated and is readily biodegradable per OECD 301D. Barracuda 10k is non-fuming and 100% OSHA safety compliant.

For technical support call 800-510-8812. For local sales support call 877-424-6979 or visit www.enviromfg.com.

Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Mild Soapy Odor**
COLD STABILITY: **-26° F**
DETERGENCY: **Moderate**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **1 Year+**
SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **210° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Thin**

Guarantee

EMS guarantees this product to be defects and true to its contents. When used per label directions and dilutions, EMS guarantees the use of this products will not void your manufacturers vehicle warranty for rust, corrosion and paint.

Dissolving Properties

Calcium Oxide Dissolving Properties of Acids with 3 Minute Exposure

Barracuda 10k	**13.9**
HCl (Muriatic)	8.9
Urea HCL	7.2
Urea Sulfuric	6.1
Phosphoric	0.9
Citric	0.0
Lactic	0.2
Acetic	0.1
Glycolic	0.2
Oxalic	0.0
Malic	0.4

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

Clearly, Barracuda 10k out performs acids and organic salts when it comes to dissolving calcium oxide, including HCl (Muriatic), urea HCL which are highly corrosive.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.
LC 50 and LD 50 (rat oral) scores found Barracuda 10k to be NON-TOXIC.

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals
Barracuda 10k was found NOT TO BE MUTAGENIC

Dermal Irritation & Corrosion Test
A modfied 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.

Barracuda 10k received a Primary Irritation Score of .09 +-0.2 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 Barracuda 10k was found to be 100% Biodegradable

COD = **Low Detectable Limits**

BOD = **No Detectable Limits**

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: Barracuda 10k was 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 Barracuda 10k: SAE 1020 carbon steel = 0.2203 mmpy

Conclusion: Barracuda 10K is NON-CORROSIVE

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
NON-Regulated

FDA
Approved as Safe (GRAS)

USDA Authorization
A1, A2, A3, A4, A7, A8, C2, G6 & G7

Additional Studies & Results: When tested, Barracuda 10k showed no potential for the generation of Carbon Dioxide under NIOSH 7903 OSHA & ACGIH testing protocols governing workplace environments.