



EMS Barracuda Blaster

INDUSTRIAL TILE, GROUT, AND GLASS CLEANER/DISINFECTANT/MILDEWSTAT

- Cleans Soap Scum
- Removes Hard Water Stains
- Kills Mildew
- Removes Rust and Mineral Stains
- Cleans Grout
- Safe on Composites
- Safe on Metal & Glass
- EPA Approved ingredients
- Non-Corrosive
- NSF Registered C2
- Non-D.O.T. Regulated

Powered by our patented SynTech[®], the world's only synthetic acid, Barracuda Blaster is a super fast tile and grout cleaner that aggressively removes dirt, mildew, mold, soap scum, rust stains, calcium and lime build up from any surface.

Barracuda Blaster also removes mineral and hard water stains from windows, mirrors, and all glass surfaces along with mortar residue from tile, metal, granite, stone, and composite surfaces.

The product aggressively attacks any grease and buildup without the dangers of hydrochloric acid. Simply apply to surface, allow to stand for 30 seconds, and wipe. Our finest disinfectant, deodorizer, fungicide and virucide ingredients are also included to kill virtually all germs upon contact.

Special tension barriers keep SynTech and our other powerful additives working at the surface so there is no concern about weakening your grout, seals, or finish. It won't hurt carpet, wood or metal trim either.

Still, all that potency comes with a triple zero HMIS score, which means Barracuda Blaster is safe on your tile and grout, safe on skin, safe for your equipment and safe to store anywhere you wish.

Barracuda Blaster is readily biodegradable per OECD 301D. It is non-fuming, will not corrode or rust metals, and is 100% OSHA & EPA compliant. Barracuda Blaster is classified as a non-skin irritant, making it safe and simple to use.

It is also ideal for the food industry and carries USDA Authorization Codes of A1, A2, A4, A8, and C1 and NSF registered C2.



Technical Data

NITRATE LEVEL: 0% - None	SHIPPER REGULATIONS: None
FORM: Liquid	FLASH POINT: None
ODOR: Mild Odor	BOILING POINT: 260° F
COLD STABILITY: 30° F	SOLUBILITY IN WATER: 100%
DETERGENCY: Strong	BIODEGRADABLE: Yes/100%
TOXICITY: Non Toxic	VOLATILE BY VOLUME: N/A
WETTING ABILITY: Excellent	CARCINOGENS: None
STORAGE STABILITY: 2 Years+	VISCOSITY: Thin

Safety Guidelines

As with any cleaning product, exercise caution and good safety measures.

In case of eye contact, remove any eyewear or contact lenses and IMMEDIATELY rinse thoroughly with clean water.

If swallowed, DO NOT INDUCE VOMITING. Drink several glasses of water.

In any emergency/first aid situation involving cleaning products, immediately contact a physician if any allergic reaction or adverse effect occurs.

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 Blaster 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 Blaster: SAE 1020 carbon steel = 0.00 mmpy

Conclusion: Barracuda Blaster is NON-CORROSIVE

Directions

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

LC 50 and LD 50 (rat oral) scores found B. Blaster to be NON-TOXIC.

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals

Barracuda Blaster 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.

Barracuda Blaster received a Primary Irritation Score of .3 +/-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 Barracuda Blaster 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, G6, & G7

NSF

C2

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