

Masonry

CLEANER + EFFLORESCENCE REMOVER



TRIDENT

100% Acid Free - Masonry Cleaner + Efflorescence Remover

Until now, the only effective way to remove mortar smear, grout residue, cement and efflorescence from brick, walls and finished concrete has been to use harsh mineral acids. While these acids eat away the calcium carbonate, they pose significant dangers to other parts of the building, the environment and to the person using the product.

Trident Masonry is not only the strongest masonry cleaner in the world, it is also the safest. Independent tests confirm that Masonry, formed with patented SynTech®, the world's only synthetic acid, dissolves more calcium carbonate and efflorescence than Muriatic (Hydrochloric) or phosphoric acids, the active ingredients in virtually every other masonry cleaner on the market. Still, with SynTech, all that potency comes with a triple zero HMIS score.

Masonry will safely and quickly clean pavers, block, brick, concrete, river rock, architectural concrete and retainer walls while dissolving all signs of efflorescence. Plus, it is color safe on even the lightest colors.

This non-fuming purely synthetic formula is non-D.O.T. regulated while exceeding OSHA approval standards. In fact, it is so safe that it carries a USDA Authorization Code of A1, deeming it safe for use in and around food processing areas and equipment. It is 100% biodegradable, water soluble, non-toxic, non-butyl and non-flammable.

Masonry is 100% acid free, so no neutralizing step is required. This also means it will not etch glass, is non-corrosive, and will not harm plants or turf when used correctly. Simply dilute, apply, agitate and rinse.

The formula and its ingredients meet or exceed the EPA's Safer Choice program requirements for both the safety of the environment and the user.

- ◆ **World's Only Synthetic Acid**
- ◆ **Stronger than Muriatic**
- ◆ **100% Acid Free & 100% Biodegradable**
- ◆ **Non-D.O.T. Regulated**
- ◆ **Removes Concrete**
- ◆ **Non-Fuming**
- ◆ **Non-Corrosive**
- ◆ **Removes Efflorescence**
- ◆ **Eliminates Mineral Stains**
- ◆ **No Neutralizing Step**
- ◆ **Safe on Glass & Metal**
- ◆ **Safe on Plants & Turf**
- ◆ **Safe on Skin**
- ◆ **Superior Performance**

Always Forward  Trident Clean



BEFORE

AFTER



PRODUCTS
YOU
CAN
TRUST

Safe By Design



Pro Performance



gogreen

Powered by

syntech



For technical or product information please call 833.TRI.DPRO | 833.874.3776 or visit www.TridentCleanPro.com



100% Acid Free - Masonry Cleaner + Efflorescence Remover

Technical Data

BIODEGRADABLE:	Yes/100%
FORM:	Liquid
ODOR:	Mild Detergent Odor
COLD STABILITY:	19° F
DETERGENCY:	Strong
PHOSPHATES:	None
WETTING ABILITY:	Excellent
FLAMMABILITY:	Non-Flammable
BOILING POINT:	228° F
SOLUBILITY IN WATER:	100%
VOCs:	None
VOLATILE BY VOLUME:	N/A
CARCINOGENS:	None
SHELF LIFE:	2 Years

Dilution Specifications

Light to Moderate Cleaning	10:1
Moderate to Heavy Cleaning	8:1
Heavy to Extra Heavy Cleaning	3:1
Concrete Stripping	1:1

Dissolving Properties

Masonry Dissolving Properties with 2 Minute Exposure

Masonry	100
Muriatic (Hydrochloric)	98.9

Test Conditions

16 ounces of 20% active solution
1 sq. ft. paver stone with heavy efflorescence
2 Minutes @ 70° F

Clearly, Trident Masonry outperforms acids when it comes to dissolving efflorescence, including Muriatic (Hydrochloric) which is highly corrosive.

Separate tests also show that Trident Masonry also dissolved nearly 15% more calcium oxide than Muriatic (Hydrochloric) acid.

DOT Statement

Non-D.O.T. Regulated/Non-D.O.T. Hazardous
EXEMPT as per 49 CFR 173.154(d) (2) <6.25 mmpy

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

LC 50 And LD 50 (Rat Oral) scores found Masonry to be NON-TOXIC

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals:

Masonry is NON-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.

Masonry 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.

Masonry is 100% Biodegradable

COD = **Low Detectable Limits**

BOD = **No Detectable Limits**

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.

Recognized as Safe (GRAS)

USDA Authorization: A1, A2, A4, A8, C3

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

Common Uses

All Masonry Brick & Stone, Precast Concrete, Concrete, Limestone, River Rock, Natural Stone, Architectural Concrete & Stone, Finished Concrete, Specialty Concrete, Grout, Tile, Mortar, Gunite, Composite, Metal, Glass, Chrome, City Service & Public Works, Building Maintenance, Streets, Sidewalks, Concrete Steps, Retaining Walls, Parking Garages, Tarmacs, Dams, Parks, Construction, Commercial Properties, Buildings, Statues and Historic Landmarks, Natural Landmarks, Architectural & Project Restoration, Block & Industrial Plants, Venues, Pavers, Swimming Pools, Farming & Agriculture, Military, Marine & Vessel, Various Equipment, Any Masonry and Most Surfaces.

Safe By Design



Pro Performance

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