

ARC Masonry Cleaner

SYNTHETIC ACID MASONRY CLEANER



- Removes Concrete
- Non -Corrosive
- 100% Synthetic Acid
- Removes Efflorescence
- Safe on Glass
- Safe on Plants
- Eliminates Mineral Stains
- Safer on Skin
- No Neutralising Step

ARC Masonry Cleaner is the safest brick cleaner available. Our cleaner is powered by SynTech, the only acid replacement system proven safe in dozens of industries. SynTech dissolves efflorescence on mortar and concrete with the speed of hydrochloric (muriatic) acid. Still, all that potency comes with a triple zero HMIS score in The US.

ARC Masonry Cleaner is ideal for post-construction clean up, removing efflorescence, green vanadium, brown manganese, white scum, lime run, rust and mineral stains. It can also be used to prepare wood for refinishing.

When used according to instructions, run off water from your use of ARC Masonry Cleaner can be safely left on grass, plants and flowers. Always test a small area of each surface to be cleaned to ensure the product and the dilution suits your needs. Protect areas you do not want cleaned. This can be done with plastic and masking tape.

SURFACES TO AVOID

- Concrete - Unless you want to remove or etch it!
- Galvanized metal - galvanized coatings are zinc carbonate and with its low pH, Masonry Cleaner reacts with the high pH of carbonate (calcium carbonate, is another example).
- Anodized aluminium - again, the anodized coating cannot handle low or high pH extremes. If anodized aluminium is present, mask it off or dilute Masonry Cleaner with at least 4 parts water before use.



ARC Masonry Cleaner is safe on glass, painted surfaces, caulking, seals, plants, pets and you! If the product drifts onto a non-working surface, simply rinse with water.

ARC Masonry Cleaner works at all temperatures and can be diluted without concern for fumes or exothermic reaction. This also means it can be used on dry, damp or wet surfaces. The product is also freeze/thaw stable.



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Technical Data

BIODEGRADABLE: Yes/100%
FORM: Liquid
ODOR: Mild detergent odour
COLD STABILITY: -7°C
DETERGENCY : Strong
PHOSPHATES: None
WETTING ABILITY: Excellent

FLAMMABILITY: Non-Flammable
BOILING POINT : 109°C
SOLUBILITY IN WATER: 100%
VOCs: None
VOLATILE BY VOLUME: N/A
CARCINOGENS: None
SHELF LIFE: 1 Year

Dissolving Properties

Efflorescence Dissolving Properties with 2 Minute Exposure

ARC Masonry Cleaner **100**
Muriatic (Hydrochloric) **98.9**

Test Conditions

454g of 20% active solution
1 sq. ft. paver stone with heavy efflorescence
2 Minutes @ 21° C

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

Separate tests also show that ARC Masonry Cleaner 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) (1) <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.



Mild skin irritant.

Dilution Specification

Please refer to the product label.

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.

ARC Masonry Cleaner is classified as a "Non-Skin Irritant" in the USA, as per EU Guidelines it would be classified as a "**mild skin irritant**".

Biodegradation & Aquatic Safety

Test Procedures: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods .

Efflorescence Remover is **100% Biodegradable**.

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.

FDA - Recognized as Safe (GRAS)

USDA Authorisation
A1, A2, A4, A8, C3

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