



Direct Distributor

**CLEANSE IT ALL GLOBAL**  
Environmentally Safer Cleansing Agents

## Technical Data

Nitrate Level:	0% - None
Form:	Liquid
Odor:	Mild Odor
Cold Stability	19° F
Detergency:	Excellent
Toxicity:	Non Toxic
Wetting Ability:	Excellent
Storage Stability:	2 Year+
Shipper Regulations:	None
Flash Point:	None
Boiling Point:	228° F
Solubility in Water:	100%
Biodegradable:	Yes/100%
Volatile By Volume:	N/A
Carcinogens:	None
Viscosity:	Thin

## Dilution Specifications

Light Cleaning:	Dilute 10:1
Medium Cleaning:	Dilute 8:1
Heavy Cleaning:	Dilute 4:1
Severe Cleaning:	Dilute 1:1

Apply to buildup, agitate, rinse. Repeat as needed. May be left overnight to dissolve heavy buildup.

## Dissolving Properties

Efflorescence Dissolving Properties of Acids with 2 Minute Exposure

Acid	% Dissolved
EnviroSafe Masonry Cleaner	100
Muriatic (Hydrochloric)	98.9
Sulfamic	46.0
Formic	0.7
Phosphoric	63.5
Citric	0.0
Lactic	1.4
Acetic	1.3
Glycolic	1.2
Gluconic	1.1
Rydlyme	1.4
Oxalic	0.0
Malic	1.6

### Test Conditions

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

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

Separate tests also show that Envirosafe Masonry Cleaner also dissolved nearly 15% more calcium carbonate than Muriatic (Hydrochloric) acid.

## Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.  
LC 50 And LD 50 (Rat Oral) scores found Envirosafe Masonry Cleaner to be non-toxic.

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals  
Envirosafe Masonry Cleaner 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.

Envirosafe Masonry Cleaner received a Primary Irritation Score of 0.9 +/- 0.3 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 Envirosafe Masonry Cleaner was found to be 100% Biodegradable

COD = 063 mg/L 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: Envirosafe Masonry Cleaner 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 or 7075- Y6 Aluminum.

Results of Envirosafe Masonry Cleaner:  
SAE 1020 Carbon Steel = 0.29 mmpy

Conclusion: Envirosafe Masonry Cleaner 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) (CGMP) CFR 184.1923

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

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

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