

Material Safety Data Sheet

Easy Etch



1. Product and company identification

Common name	: Easy Etch	
Material uses	: To remove grout and mortar smears, mineral deposit and rust stains.	
Supplier/Manufacturer	: Modern Stone Technologies 2225 W. Pecos Rd. Suite 12 Chandler, Az. 85224 Toll free : 866-868-0810 support@moderstonecare.com Fax : (480) 969-1978	
In case of emergency	: CHEMTREC International: (703) 527-3887 866-868-0810	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	08/15/2006

2. Hazards identification

Physical state	: Liquid.
Odor	: Odorless.
Color	: Clear.
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin.
Inhalation	: Corrosive to the respiratory system.
Ingestion	: May be harmful if swallowed. May cause burns to mouth, throat and stomach.
Potential chronic health effects	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

3. Composition/information on ingredients

United States

Name	CAS number	%
Phosphoric Acid	7664-38-2	>1

Canada

Name	CAS number	%
Phosphoric Acid	7664-38-2	>1

Mexico**Classification**

Name	UN number	IDLH	H	F	R	Special	CAS number	%
Phosphoric Acid	UN1805	1000 mg/m ³	3	0	1		7664-38-2	>1

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Seek medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Seek medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms occur.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Products of combustion** : These products are phosphates.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
 - Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Use suitable protective equipment.
- Environmental precautions and clean-up methods** : Wash small spills to sanitary sewer. Large spills-confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

7 . Handling and storage

- Handling** : Avoid contact with skin, eyes and clothing and as for any chemical, do not ingest this product.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection**United States****Product name**

Phosphoric Acid

Exposure limits**ACGIH TLV (United States, 1/2005).**STEL: 3 mg/m³ 15 minute(s). Form: All forms.TWA: 1 mg/m³ 8 hour(s). Form: All forms.**NIOSH REL (United States, 12/2001).**STEL: 3 mg/m³ 15 minute(s). Form: All forms.TWA: 1 mg/m³ 10 hour(s). Form: All forms.**OSHA PEL (United States, 8/1997).**TWA: 1 mg/m³ 8 hour(s). Form: All forms.

Canada**Product name**

Phosphoric Acid

Exposure limits**ACGIH TLV (United States, 1/2005).**STEL: 3 mg/m³ 15 minute(s). Form: All forms.TWA: 1 mg/m³ 8 hour(s). Form: All forms.**Mexico****Product name**

Phosphoric Acid

Exposure limits**NOM-010-STPS (Mexico, 2000).**CCT: 3 mg/m³ 15 minute(s). Form: All forms.CPT: 1 mg/m³ 8 hour(s). Form: All forms.

- Engineering measures** : Use only with adequate ventilation.
- Personal protection**
- Eyes** : Face shield.
- Skin** : Synthetic apron.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Hands** : Nitrile gloves.
Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.
- HMIS Code/Personal protective equipment** : D
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

- Physical state** : Liquid.
- Color** : Clear.
- Odor** : Odorless.
- Boiling/condensation point** : >100°C (212°F)
- Melting/freezing point** : 0°C (32°F)
- Relative density** : 1.573 (Water = 1)
- Vapor pressure** : <0.3 kPa (<2.2 mm Hg) (at 20°C)
- Vapor density** : <1 (Air = 1)
- Evaporation rate** : <1 compared with Butyl acetate.
- Solubility** : Miscible in water.

10 . Stability and reactivity




- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials, metals and alkalis.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : Not available.

11 . Disposal considerations

Waste disposal : Dispose material in accordance with all local, state, and federal regulations.

12 . Transport information

NAERG : 154

Regulatory information	Proper shipping name	Class	UN number	PG	Label
UN / IMDG / IATA Classification	PHOSPHORIC ACID solution	8	UN1805	III	
DOT Classification	PHOSPHORIC ACID solution ORM-D Consumer Commodity. Please refer to 49 CFR 173.54, 203, .241 for details.	8	UN1805	III	
TDG Classification	PHOSPHORIC ACID solution	8	UN1805	III	

13 . Regulatory information

United States

HCS Classification : Corrosive material

U.S. Federal regulations : TSCA : All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Phosphoric Acid

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Phosphoric Acid: Immediate (acute) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Phosphoric Acid

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : Pennsylvania RTK: Phosphoric Acid: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Phosphoric Acid

New Jersey: Phosphoric Acid

California prop. 65: No products were found.

Canada

WHMIS (Canada) : Class E: Corrosive material



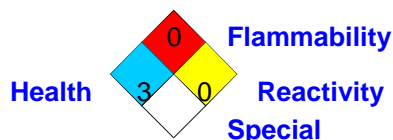
DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA and NOM -018-STPS-2000.

Mexico

Classification

:

**HAZARD RATINGS**

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

International lists

: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

14 . Other information**References**

: - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue

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Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.