

# Material Safety Data Sheet

## Deep Clean



### 1. Product and company identification

<b>Common name</b>	: Deep Clean	
<b>Material uses</b>	: This concentrated, high alkaline cleaner/stripper is specially formulated to remove grease, oil based dirt and stains from neglected tile and grout surface.	
<b>Supplier/Manufacturer</b>	: This Old Grout Mfg, Inc. 2225 W. Pecos Rd. Suite 12 Chandler, Az. 85224 Toll free : 1-866-OLD-GROUT info@thisoldgrout.com Fax : (480) 969-1978	
<b>In case of emergency</b>	: CHEMTREC International: (703) 527-3887 1-866-OLD-GROUT	
<b>MSDS authored by:</b>	: Kemika XXI Inc. + 1-450-435-7475	08/15/2012

### 2. Hazards identification

<b>Physical state</b>	: Liquid.
<b>Odor</b>	: Mild.
<b>Color</b>	: Green.
<b>Hazard status</b>	: 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.
<b>Routes of entry</b>	: Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Potential acute health effects</b>	
<b>Eyes</b>	: Corrosive to eyes.
<b>Skin</b>	: Corrosive to the skin.
<b>Inhalation</b>	: Corrosive to the respiratory system.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.
<b>Potential chronic health effects</b>	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.
<b>Medical conditions aggravated by over-exposure</b>	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce target organ damage.

### 3. Composition/information on ingredients

#### United States

Name	CAS number	%
2-Aminoethanol	141-43-5	>1
Sodium hydroxide	1310-73-2	>1
2-Butoxyethanol	111-76-2	>1

### Canada

Name	CAS number	%
2-Aminoethanol	141-43-5	>1
Sodium hydroxide	1310-73-2	>1
2-Butoxyethanol	111-76-2	>1

### Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
2-Aminoethanol	UN2491	30 ppm	3	1	0		141-43-5	>1
Sodium hydroxide	UN1824	10 mg/m <sup>3</sup>	3	0	0		1310-73-2	>1
2-Butoxyethanol	Not regulated.	700 ppm	2	1	0		111-76-2	>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** : Combustible.
- Products of combustion** : These products are carbon oxides, nitrogen oxides. Some metallic oxides.
- 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** : Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8 . Exposure controls/personal protection

### United States

**Product name**

2-Aminoethanol

**Exposure limits****ACGIH TLV (United States, 1/2005).**

STEL: 6 ppm 15 minute(s). Form: All forms.

TWA: 7.5 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

TWA: 3 ppm 8 hour(s). Form: All forms.

**NIOSH REL (United States, 12/2001).**STEL: 15 mg/m<sup>3</sup> 15 minute(s). Form: All forms.

STEL: 6 ppm 15 minute(s). Form: All forms.

TWA: 8 mg/m<sup>3</sup> 10 hour(s). Form: All forms.

TWA: 3 ppm 10 hour(s). Form: All forms.

**OSHA PEL (United States, 8/1997).**TWA: 6 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

TWA: 3 ppm 8 hour(s). Form: All forms.

Sodium hydroxide

**ACGIH TLV (United States, 1/2005).**CEIL: 2 mg/m<sup>3</sup> Form: All forms.**NIOSH REL (United States, 12/2001).**TWA: 2 mg/m<sup>3</sup> 10 hour(s). Form: All forms**OSHA PEL 1989 (United States, 3/1989).**CEIL: 2 mg/m<sup>3</sup> Form: All forms.

2-Butoxyethanol

**ACGIH TLV (United States, 1/2005).**

TWA: 20 ppm 8 hour(s). Form: All forms.

**NIOSH REL (United States, 12/2001). Skin**TWA: 24 mg/m<sup>3</sup> 10 hour(s). Form: All forms.

TWA: 5 ppm 10 hour(s). Form: All forms.

**OSHA PEL (United States, 8/1997). Skin**TWA: 240 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

TWA: 50 ppm 8 hour(s). Form: All forms.

### Canada

**Product name**

2-Aminoethanol

**Exposure limits****ACGIH TLV (United States, 9/2004).**STEL: 15 mg/m<sup>3</sup> 15 minute(s). Form: All forms.

STEL: 6 ppm 15 minute(s). Form: All forms.

TWA: 7.5 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

TWA: 3 ppm 8 hour(s). Form: All forms.

Sodium hydroxide

**ACGIH TLV (United States, 1/2005).**CEIL: 2 mg/m<sup>3</sup> Form: All forms.

2-Butoxyethanol

**ACGIH TLV (Canada, 1/2005).**

TWA: 20 ppm 8 hour(s). Form: All forms.

### Mexico

**Product name**

2-Aminoethanol

**Exposure limits****NOM-010-STPS (Mexico, 9/2000).**CCT: 15 mg/m<sup>3</sup> 15 minute(s). Form: All forms.

CCT: 6 ppm 15 minute(s). Form: All forms.

CPT: 8 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

CPT: 3 ppm 8 hour(s). Form: All forms.

Sodium hydroxide

**ACGIH TLV (United States, 1/2005).**CEIL: 2 mg/m<sup>3</sup> Form: All forms.

2-Butoxyethanol

**NOM-010-STPS (Mexico, 9/2000). Skin**CCT: 360 mg/m<sup>3</sup> 15 minute(s). Form: All forms.

CCT: 75 ppm 15 minute(s). Form: All forms.

CPT: 120 mg/m<sup>3</sup> 8 hour(s). Form: All forms.

CPT: 26 ppm 8 hour(s). Form: All forms.

<b>Engineering measures</b>	: Use only with adequate ventilation.
<b>Personal protection</b>	
<b>Eyes</b>	: Splash goggles.
<b>Skin</b>	: Synthetic apron.
<b>Respiratory</b>	: Vapor respirator.
<b>Hands</b>	: Nitrile gloves. Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.
<b>HMIS Code/Personal protective equipment</b>	: 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

<b>Physical state</b>	: Liquid.
<b>Flash point</b>	: The lowest known value is Open cup: 61.85°C (143.3°F). (Cleveland.). (2-Butoxyethanol)
<b>Auto-ignition temperature</b>	: The lowest known value is 244°C (471.2°F) (2-Butoxyethanol).
<b>Flammable limits</b>	: The greatest known range is Lower: 1.1% Upper: 12.7% (2-Butoxyethanol)
<b>Color</b>	: Green.
<b>Odor</b>	: Mild.
<b>pH</b>	: Basic.
<b>Boiling/condensation point</b>	: >100°C (212°F)
<b>Melting/freezing point</b>	: 0°C (32°F)
<b>Critical temperature</b>	: The lowest known value is 367.9°C (694.2°F) (2-Butoxyethanol).
<b>Relative density</b>	: >1 (Water = 1)
<b>Vapor pressure</b>	: The highest known value is 0.01 kPa (0.08 mm Hg) (at 20°C) (2-Aminoethanol).
<b>Vapor density</b>	: >1 (Air = 1)
<b>Evaporation rate</b>	: <1 compared with Butyl acetate.
<b>Solubility</b>	: Easily soluble in cold water, hot water.

## 10 . Stability and reactivity

<b>Stability and reactivity</b>	: The product is stable.
<b>Incompatibility with various substances</b>	: Highly reactive or incompatible with the following materials: acids and moisture. Reactive with oxidizing materials and alkalis.
<b>Hazardous polymerization</b>	: Will not occur.
<b>Conditions of reactivity</b>	: None known.

## 11 . Disposal considerations

<b>Waste disposal</b>	: Dispose material in accordance with all local, state, and federal regulations.
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## 12 . Transport information

NAERG : 153

Regulatory information	Proper shipping name	Class	UN number	PG	Label
<b>UN / IMDG / IATA Classification</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	8	UN3266	III	
<b>DOT Classification</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)  ORM-D Consumer Commodity. Please refer to 49 CFR 173.54, 203, .241 for details.	8	UN3266	III	
<b>TDG Classification</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)	8	UN3266	III	

## 13 . Regulatory information

### United States

**HCS Classification** : Toxic material  
Corrosive material  
Target organ effects

**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: 2-Aminoethanol; Sodium hydroxide; 2-Butoxyethanol  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:  
2-Aminoethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Sodium hydroxide: Immediate (acute) health hazard, Delayed (chronic) health hazard; 2-Butoxyethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard  
Clean Water Act (CWA) 307: No products were found.  
Clean Water Act (CWA) 311: Sodium hydroxide  
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.

### SARA 313

	Product name	CAS number	Concentration
<b>Form R - Reporting requirements</b>	: 2-Butoxyethanol	111-76-2	>1
<b>Supplier notification</b>	: 2-Butoxyethanol	111-76-2	>1

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**State regulations** : Pennsylvania RTK: 2-Aminoethanol: (generic environmental hazard); Sodium hydroxide: (environmental hazard, generic environmental hazard); 2-Butoxyethanol: (environmental hazard, generic environmental hazard)  
Massachusetts RTK: 2-Aminoethanol; Sodium hydroxide; 2-Butoxyethanol  
New Jersey: 2-Aminoethanol; Sodium hydroxide; 2-Butoxyethanol  
California prop. 65: No products were found.

**Canada**

**WHMIS (Canada)**

: Class D-1A: Material causing immediate and serious toxic effects (Very toxic).  
Class E: Corrosive material



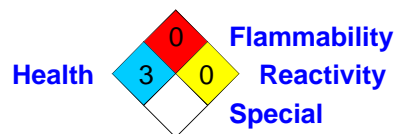
DSL : All components listed.

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**

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