

Modern Stone Technologies – MSDS | Ultra Clean

Section [1] Product Identification

Product name: Modern Stone Technologies Ultra Clean

Produced by: Modern Stone Technologies, 2225 W. Pecos Rd. Suite 12, Chandler, AZ. 85224

Toll free: 866-868-0810 **Fax:** (480) 969-1978 **Emergency:** CHEMTREC International: (703) 527-3887

E-mail: support@modernstonecare.com

Section [2] Health Hazard Data

Hazard status: This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada and the NOM-018-STPS-2000 in Mexico.

Routes Of Entry

Dermal contact • Eye contact • Inhalation • Ingestion

Potential Acute Health Effects

Eye: Corrosive to eyes.

Skin: Corrosive to skin.

Inhalation: May be harmful by inhalation. Corrosive to the respiratory system.

Ingestion: May cause burns to mouth, throat and stomach. May be harmful if swallowed.

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 overexposure: 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.

Section [3] Composition

Name :	CAS number	Wt. %
2-Aminoethanol	141-43-5	>1
2-Butoxyethanol	111-76-2	>1
Potassium hydroxide	1310-58-3	>1

Section [4] Emergency First Aid Procedures

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. 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.

Section [5] Fire & Explosion Data

Flammability of the product: Combustible.

Products of combustion: These products are carbon oxides. Some metallic oxides.

Extinguishing media suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: Unknown.

Special exposure hazard: No specific hazard.

Special protective equipment for fire-fighter: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section [6] Accidental Release Measure

Personal precautions: Use suitable protective equipment.

Environmental precaution 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.

Section [7] Handling & 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.

Section [8] Exposure Controls & Personal Protection

Product name: 2-Aminoethanol

Exposure limits:

ACGIH TLV (United States, 1/2005).

NIOSH REL (United States, 12/2001).

OSHA PEL (United States, 8/1997).

Product name: 2-Butoxyethanol

ACGIH TLV (United States, 1/2005)

NIOSH REL (United States, 12/2001)

OSHA PEL (United States, 8/1997)

Product name: Potassium hydroxide

ACGIH TLV (United States, 1/2005)

NIOSH REL (United States, 12/2001)

OSHA PEL (United States, 8/1997)

Engineering measures: Use only with adequate ventilation.

Personal protection

Eyes: Splash goggles.

Skin: Synthetic apron.

Respiratory: Vapor respiratory.

Hands: Nitrile gloves.

HMIS Code/Personal protective equipment: D

Hygiene measure: 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.

Section [9] Physical & Chemical Properties

Physical state: Liquid.

Flash point: The lowest known value is Open cup: 61.85°C (143.3°F). (Cleveland.) (2-Butoxyethanol)

Auto-ignition temperature: The lowest known value is 244°C (471.2°F) (2-Butoxyethanol).

Flammable Limits: The greatest known range is Lower: 1.1% Upper: 12.7% (2-Butoxyethanol)

Color: Green.

Odor: Mild.

pH: Basic.

Boiling/condensation point: >100°C (212°F)

Melting/freezing point: 0°C (32°F)

Critical temperature: The lowest known value is 367.9°C (694.2°F) (2-Butoxyethanol).

Relative density: >1 (Water = 1)

Vapor pressure: The highest known value is 0.01 kPa (0.08 mm Hg) (at 20°C) (2-Aminoethanol)

Vapor density: >1 (Air = 1)

Evaporation rate: <1 compared with Butyl acetate.

Solubility: Easily soluble in cold water, hot water.

Section [10] Stability & Reactivity

Stability and reactivity: The product is stable.

Incompatibility with various substance: Highly reactive or incompatible with the following materials: acids and moisture. Reactive with oxidizing materials and alkalis.

Hazardous polymerization: Will not occur.

Conditions of reactivity: None known.

Section [11] Disposal consideration

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

Section [12] Transport information

NAERG : 153

UN / IMDG / IATA Classification: CORROSIVE LIQUID, BASIC, INORGANIC
N.O.S. (Sodium hydroxide) • Class 8 • UN3267 • PG III

DOT Classification: CORROSIVE LIQUID, BASIC, INORGANIC
N.O.S. (Sodium hydroxide) • Class 8 • UN3267 • PG III

TDG Classification: CORROSIVE LIQUID, BASIC, INORGANIC
N.O.S. (Sodium hydroxide) • Class 8 • UN3267 • PG III

Sodium hydroxide.

Section [14] Regulatory Information

HCS Classification: Toxic Material • Corrosive Material • Target Organ Effects

U.S. Federal regulation:

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; Potassium hydroxide; 2-Butoxyethanol

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:

2-Aminoethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard;

Potassium 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: Potassium 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. Form R - Reporting requirements 2-Butoxyethanol CAS# 111-76-2 Concentration >1

SARA 313. Supplier notification 2-Butoxyethanol CAS# 111-76-2 Concentration >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); Potassium hydroxide:

(environmental hazard, generic environmental hazard); 2-Butoxyethanol: (environmental hazard, generic

environmental hazard) Massachusetts RTK: 2-Aminoethanol; Potassium hydroxide; 2-Butoxyethanol New

Jersey: 2-Aminoethanol; Potassium hydroxide; 2-Butoxyethanol.

California prop. 65: No products were found.

Canada Mexico: 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

Health 3 Flammability 0 Reactivity 0 Special 0

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).

Section [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

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.