

Modern Stone Technologies – MSDS | Barrier EXT

Section [1] Product Identification

Product name: Modern Stone Technologies Barrier EXT

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

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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 effect

Eyes: Irritating to eye.

Skin: Slightly irritating to the skin.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

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-(2-methoxyethoxy) ethanol	111-77-3	>1
Dipropylene Glycol Methyl Ether	34590-94-8	>1
1-Methoxy-2-propanol	107-98-2	>1
Ethanol, 2-(2-Ethoxyethoxy)	111-90-0	>1
Ethanol, 2-Butoxy, Phosphate (3:1)	78.51.3	>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. 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.

Section [5] Fire & Explosion Data

Flammability of the product: Non-flammable

Extinguishing media

Suitable: Use dry chemical, carbon dioxide, water spray (fog) or foam.

Not suitable: Do not use water jet.

Special exposure hazard: None

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: Avoid contact with skin, eyes and clothing and as for any chemical, do not ingest this product.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use

Section [8] Exposure Controls & Personal Protection

Product name: Dipropylene Glycol Methyl Ether

Exposure limits:

ACGIH TLV (United States, 1/2005).

NIOSH REL (United States, 12/2001).

OSHA PEL (United States, 8/1997).

Product name: 1-Methoxy-2-propanol

ACGIH TLV (United States, 1/2005)

NIOSH REL (United States, 12/2001)

OSHA PEL (United States, 8/1997)

Product name: Ethanol 2-(2-Ethoxyethoxy)

ACGIH TLV (United States, 1/2005)

Engineering measures: Use only with adequate ventilation.

Personal protection

Eyes: Safety glasses

Skin: Lab coat.

Respiratory: A respirator is not needed under normal and intended conditions of use.

Hands: Natural rubber (latex). Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

HMS Code/Personal protective equipment: B

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.

Section [9] Physical & Chemical Properties

Physical state: Liquid.

Color: Green

pH: Neutral

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

Melting/freezing point: 0°C (32°F)

Critical Temperature: The lowest known value is 280.9°C (537.6°F) (1-Methoxy-2-propanol).

Relative density: Weighted average: 1 (Water = 1)

Vapor pressure: The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water). Weighted average: 2.23 kPa (16.73 mm Hg) (at 20°C)

Vapor density: <1 (Air = 1)

Evaporation rate: <1 compared with Butyl acetate.

Viscosity: Kinematic: The highest known value is <20 cSt (Ethanol, 2-Butoxy, Phosphate (3:1))

Solubility: Miscible in water

Section [10] Stability & Reactivity

Stability and reactivity: The product is stable

Incompatibility with various substance: Reactive with oxidizing materials

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 : Not applicable

Regulatory information

UN/ IMDG/ IATA DOT/ TDG: Not regulated.

Section [13] Regulatory Information

HCS Classification: Irritating material • Target Organ Effects

U.S. Federal regulation:

TSCA 4(a) final test rules: Dipropylene Glycol Methyl Ether

TSCA 8(a) PAIR: Dipropylene Glycol Methyl Ether: Ethanol, 2-Butoxy, Phosphate (3:1)

TSCA 8(b) inventory: All components listed.

TSCA 12(b) one-time export: Dipropylene Glycol Methyl Ether

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: Dipropylene Glycol Methyl Ether;

1-Methoxy-2-propanol; 2-(2-methoxyethoxy)ethanol; Ethanol, 2-(2-Ethoxyethoxy)-

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

Glycol Methyl Ether: Fire hazard, Immediate (acute) health hazard; 1-Methoxy-

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

hazard; 2-(2-methoxyethoxy)ethanol: Fire hazard, Immediate (acute) health hazard,

Delayed (chronic) health hazard; Ethanol, 2-(2-Ethoxyethoxy)-: Immediate (acute) health

hazard, Delayed (chronic) health hazard

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

Clean Water Act (CWA) 311: Ammonia

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-(methoxyethoxy) ethanol CAS# 111-77-3 Concentration >1, Ethanol, 2-(2-Ethoxyethoxy) CAS# 111-90-0 Concentration-1

SARA 313. Supplier notification 22-(methoxyethoxy) ethanol CAS# 111-77-3 Concentration >1, Ethanol, 2-(2-Ethoxyethoxy) CAS# 111-90-0 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: Dipropylene Glycol Methyl Ether: (generic environmental hazard);

1-Methoxy-2-propanol: (generic environmental hazard); 2-(2-methoxyethoxy)ethanol:(environmental hazard,

generic environmental hazard); Ethanol, 2-(2-Ethoxyethoxy)-:(environmental hazard, generic environmental

hazard); Ammonia: (environmental hazard, generic environmental hazard); 1,4-Dioxane: (special hazard,

environmental hazard, generic environmental hazard) Massachusetts RTK: Dipropylene Glycol Methyl Ether; 1-

Methoxy-2-propanol; 2-(2-methoxyethoxy)ethanol; Ammonia; 1,4-Dioxane New Jersey: Dipropylene Glycol

Methyl Ether; 1-Methoxy-2-propanol; 2-(2-methoxyethoxy)ethanol; Ethanol, 2-(2-Ethoxyethoxy)-: Ammonia; 1,4-

Dioxane WARNING: This product contains a chemical known to the State of California to cause cancer and

birth defects or other reproductive harm.

DSL: All components listed

WHMIS (Canada): Class D-2A: Material causing other toxic effects (Very toxic).

Class D-2B: Material causing other toxic effects (Toxic)

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 1	Flammability 2	Reactivity 0	Special 0
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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.