

Modern Stone Technologies – MSDS | Resilience

Section [1] Product Identification

Product name: Modern Stone Technologies Resilience
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Section [2] Health Hazard Data

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: Irritating to eyes.

Skin: No known significant effects or critical hazards.

Inhalation: Irritating to respiratory system. May be harmful by inhalation.

Ingestion: 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.

Section [3] Composition

Name :	CAS number	Wt. %
Isopropyl alcohol	67-63-0	>1
2-Butoxyethanol	111-76-2	>1

Section [4] Emergency First Aid Procedures

Eye contact: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention if symptoms occur

Skin contact: Wash with soap and water. 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: Non-flammable

Products of combustion: These products are carbon oxides.

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known

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: 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: Isopropyl alcohol

Exposure limits:

ACGIH TLV (United States, 1/2005)

NIOSH REL (United States, 12/2001).

Product name: 2-Butoxyethanol

Exposure limits:

OSHA PEL (United States, 8/1997).

ACGIH TLV (United States, 1/2005).

NIOSH REL (United States, 12/2001).Skin

OSHA PEL (United States, 8/1997).Skin

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.

HMIS Code/Personal protective equipment: B

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.

pH: Neutral

Boiling/condensation point: Weighted average: 101.56°C (214.8°F)

Melting/freezing point: Weighted average: -6.14°C (20.9°F)

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

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

Vapor pressure: Weighted average: 2.38 kPa (17.85 mm Hg) (at 20°C)

Vapor density: Weighted average: 0.8 (Air = 1)

Evaporation rate: Weighted average: 0.4 compared with Butyl acetate

Solubility: Miscible in water

Section [10] Stability & Reactivity

Stability and reactivity: The product is stable

Incompatibility with various substances: Reactive with oxidizing materials, acids and alkalis.

Hazardous polymerization: Will not occur.

Conditions of reactivity: Not applicable

Section [11] Disposal consideration

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

Section [12] Transport information

Regulatory information

UN/IMDG/IATA DOT/TDG: Not regulated

Section [13] Regulatory Information

HCS Classification: Irritating material

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: Isopropyl alcohol; 2-Butoxyethanol

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl alcohol: Fire hazard,

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 Isopropyl alcohol, CAS number 67-63-0, Concentration >1% 2-Butoxyethanol, CAS number 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: Isopropyl alcohol: (environmental hazard, generic environmental hazard); 2-Butoxyethanol:

(environmental hazard, generic environmental hazard); Sodium hydroxide: (environmental hazard, generic

environmental hazard) Massachusetts RTK: Isopropyl alcohol; 2-Butoxyethanol; Sodium hydroxide; Glycine,

n,nbis(carboxymethyl)-, trisodium salt New Jersey: Isopropyl alcohol; 2-Butoxyethanol; Sodium hydroxide

California prop. 65: No products were found

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

CEPA DSL: All components listed

CEPA NDSL: Glycine, n,n'-1,2-ethanediybis-, disodium salt

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 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

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