

Modern Stone Technologies – MSDS | Radiance

Section [1] Product Identification

Product name: Modern Stone Technologies Radiance
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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 eyes.
Skin: Irritating to skin.
Inhalation: Irritating to respiratory system.
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. %
Isopropyl alcohol	67-63-0	>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: Wash with soap and water. 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: Flammable.
Products of combustion: These products are carbon oxide.
Extinguishing media
Suitable: Use dry chemical, carbon dioxide, water spray (fog) or foam.
Not suitable: Do not use water jet.
Special exposure hazard: Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion 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: Eliminate all ignition sources. Use suitable protective equipment. Do not touch or walk through spilled material.
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. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.
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. Avoid all possible sources of ignition (spark or flame).

Section [8] Exposure Controls & Personal Protection

Product name	Exposure limits
Isopropyl alcohol	STEL: 400 ppm 15 minute(s). Form: All forms. TWA: 200 ppm 8 hour(s). Form: All forms.
ACGIH TLV (United States, 1/2005).	STEL: 1225 mg/m ³ 15 minute(s). Form: All forms. STEL: 500 ppm 15 minute(s). Form: All forms. TWA: 980 mg/m ³ 10 hour(s). Form: All forms.
NIOSH REL (United States, 12/2001).	TWA: 400 ppm 10 hour(s). Form: All forms.
OSHA PEL (United States, 8/1997).	TWA: 980 mg/m ³ 8 hour(s). Form: All forms. TWA: 400 ppm 8 hour(s). Form: All forms.

Personal protection

Eyes: Safety glasses.
Skin: Synthetic apron.
Respiratory: A respirator is not needed under normal and intended conditions of product 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 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.
Flash Point: Closed cup: 23 to 60°C (73.4 to 140°F). (Pensky-Martens.)
Auto-ignition temperature: The lowest known value is 399°C (750.2°F) (Isopropyl alcohol).
Flammability limits: The greatest known range is Lower: 2.5% Upper: 12% (Isopropyl alcohol)
pH: Basic
Boiling/condensation point: 93.3 to 107.2°C (200 to 225°F)
Melting/freezing point: Weighted average: -43.52°C (-46.3°F)
Relative density: Weighted average: 0.89 (Water = 1)
Vapor pressure: Weighted average: 3.3 kPa (24.75 mm Hg) (at 20°C)
Vapor density: Weighted average: 1.33 (Air = 1)
Evaporation rate: Weighted average: 1.02 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, metals and alkalis.
Hazardous polymerization: Will not occur.
Conditions of reactivity: Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and shocks and mechanical impacts.

Section [11] Disposal consideration

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

Section [12] Transport information

NAERG: 128
Regulatory information
UN / IMDG / IATA Classification: FLAMMABLE LIQUIDS, N.O.S. (Isopropyl UN1993 alcohol) Class - 3, UN number-UN1993
DOT Classification: FLAMMABLE LIQUIDS, N.O.S. (Isopropyl UN1993 alcohol) Class - 3, UN number-UN1993
ORM-D Consumer Commodity: Please refer to 49 CFR 173.54, 203, 241 for details
TDG Classification: FLAMMABLE LIQUIDS, N.O.S. (Isopropyl UN1993 alcohol) Class - 3, UN number-UN1993

Section [13] Regulatory Information

HCS Classification: Flammable liquid •Irritating material • Target organ effect
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
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl alcohol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
SARA 313: Form R - Reporting requirements: Isopropyl alcohol, CAS number 67-63-0, Concentration % >1
Supplier notification: Isopropyl alcohol, CAS number 67-63-0, 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: Isopropyl alcohol: (environmental hazard, generic environmental hazard)
Massachusetts RTK: Isopropyl alcohol
New Jersey: Isopropyl alcohol
California prop. 65: No products were found
WHMIS (Canada)
Class B-2: Flammable liquid
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

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-SCIT-1994 Date of issue: 08/15/2006. Version: 1

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