

Modern Stone Technologies – MSDS | Clear Guard solvent

Section [1] Product Identification

Product name: Modern Stone Technologies Clear Guard solvent
Produced by: Modern Stone Technologies, 2225 W. Pecos Rd. Suite 12, Chandler, AZ. 85224
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Fax: (480) 969-1978
In case of emergency: CHEMTREC International: (703) 527-3887

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

Eye: Irritating to eyes.
Skin: Irritating to skin.
Inhalation: No known significant effects or critical hazards.
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. %
Naphtha (petroleum), heavy alkylate	64741-65-7	>1
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	>1
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	>1
Solvent naphtha (petroleum), medium aliph.	64742-88-7	>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: Combustible.
Extinguishing media suitable: Use dry chemical, carbon dioxide, water spray (fog) or foam.
Not suitable: Do not use water jet.
Special exposure hazard: Combustible liquid and vapor.
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.
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. Keep away from heat, sparks and flame. 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: Naphtha (Petroleum), Hydrotreated Heavy.
Exposure limits: ACGIH TLV (United States).
TWA: 300 ppm 8 hour(s).
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. (Clear.)
Color: Amber.
Odor: N/A
Flash point: Closed cup: Between 37.8°C (100°F) and 61°C (142°F). (Pensky-Martens.)
Auto-ignition temperature: The lowest known value is 229°C (444.2°F) (Solvent naphtha (petroleum), medium aliph.)
Flammable limits: The greatest known range is Lower: 1% Upper: 6% (Solvent naphtha (petroleum), medium aliph.)
Boiling/condensation point: Weighted average: 185.21°C (365.4°F)

Melting/freezing point: Weighted average: -27.98°C (-18.4°F)
Critical temperature: The lowest known value is 349°C (660.2°F) (Naphtha (Petroleum), Hydrotreated Heavy)
Relative density: Weighted average: 0.77 (Water = 1)
Vapor pressure: Weighted average: 0.56 kPa (4.2 mm Hg) (at 20°C)
Vapor density: The highest known value is 4 (Air = 1) (Solvent naphtha (petroleum), medium aliph.)
Viscosity: Kinematic (40C): The highest known value is 1 to 2 cSt (Solvent naphtha (petroleum), medium aliph.)
Solubility: Insoluble in cold water, hot water.

Section [10] Stability & Reactivity

Stability and reactivity: The product is stable.
Incompatibility with various substances: Reactive with oxidizing materials.
Hazardous polymerization: Will not occur.
Conditions of reactivity: Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.

Section [11] Disposal consideration

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

Section [12] Transport information

NAERG : 128

UN / IMDG / IATA Classification: FLAMMABLE LIQUIDS
N.O.S. (Naphtha (petroleum), heavy alkylate) • Class 3 • UN1993 • PG III

DOT Classification: FLAMMABLE LIQUIDS
N.O.S. (Naphtha (petroleum), heavy alkylate) • Class 3 • UN1993 • PG III

TDG Classification: FLAMMABLE LIQUIDS
N.O.S. (Naphtha (petroleum), heavy alkylate) • Class 3 • UN1993 • PG III

ORM-D Consumer Commodity. Please refer to 49 CFR 173.54, 203, .242 for details.

Section [14] Regulatory Information

HCS Classification: Combustible Liquid • 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: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
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.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations: No products were found.
California prop. 65: No products were found.
Canada Mexico: Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class D-2B: Material causing other toxic effects (Toxic).
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 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-SCT2-1994

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