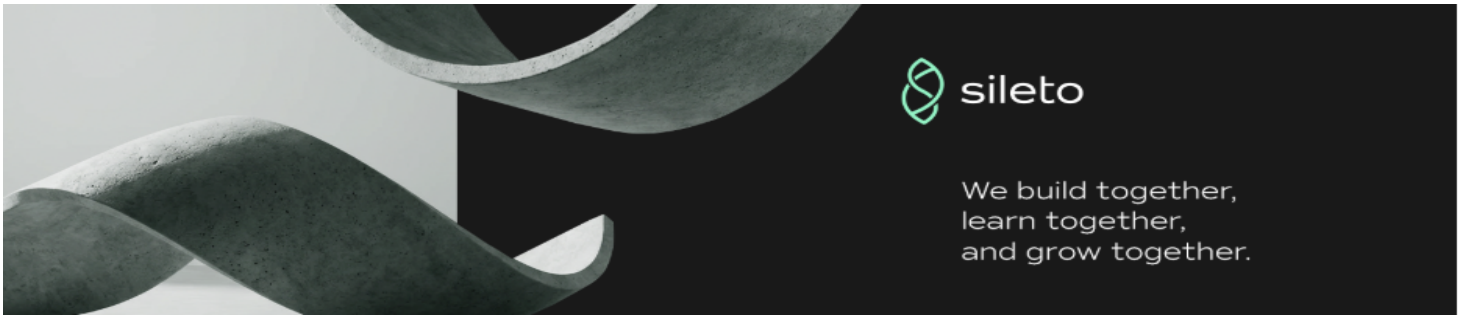

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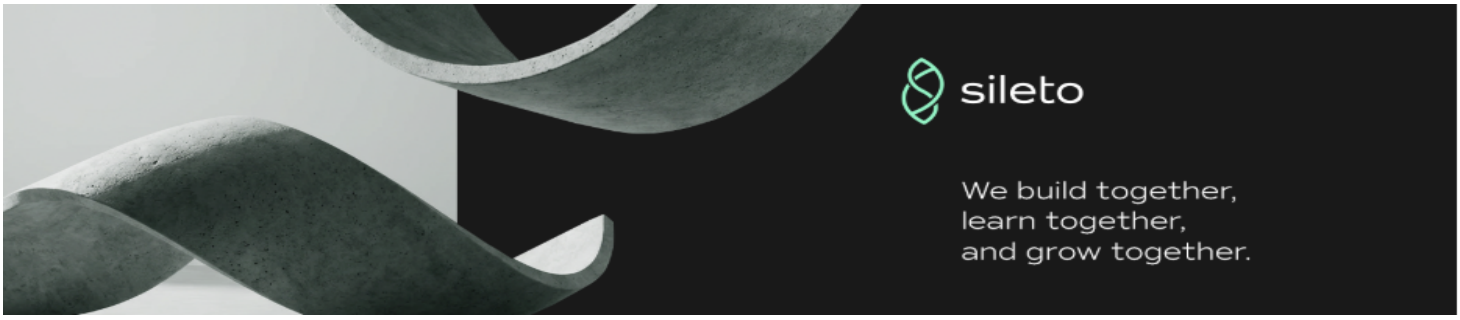
Safety Data Sheet SILETO MIZAR INITIATOR

Section 1. Identification

Product Name	Sileto Mizar Initiator
Product Category	Hardener
Recommended Use	Used in the manufacture of polymer concrete
Supplier	Sileto Technologies 16495 NW 49th Ave, Hialeah, FL 33014 Website: sileto.com
Emergency Contact	CHEMTREC US (24h): +1-800-424-9300 CHEMTREC WORLD (24h): +1-703-527- 3887

Section 2. Hazards Identification

OSHA/HCS Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
GHS Classification	FLAMMABLE LIQUIDS: Category 4 ORGANIC PEROXIDES: Type D ACUTE TOXICITY (Oral & Inhalation): Category 4 SKIN CORROSION: Category 1B SERIOUS EYE DAMAGE: Category 1 CARCINOGENICITY: Category 1B REPRODUCTIVE TOXICITY: Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Category 2 SHORT-TERM (ACUTE) & LONG-TERM (CHRONIC) AQUATIC HAZARD: Category 2
Signal Word	Danger
Hazard Statements	H227: Combustible liquid. H242: Heating may cause a fire. H302 + H332: Harmful if swallowed or if inhaled. H314: Causes severe skin burns and eye damage. H350: May cause cancer. H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure.



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	H411: Toxic to aquatic life with long lasting effectsH335: May cause respiratory irritation.
Precautionary Statements	**Prevention** P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep/Store away from clothing/ strong acids, bases, heavy metal salts and other reducing substances /combustible materials. P234: Keep only in original container. P260: Do not breathe mist or vapors. P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P260: Do not breathe vapor or mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
	Response P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P363: Wash contaminated clothing before reuse. P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. P391: Collect spillage.
	Storage P405: Store locked up.

	P410: Protect from sunlight. P411 + P235: Store at temperatures not exceeding < 30 °C/ < 86 °F. Keep cool. P420: Store away from other materials.
	Disposal P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Hazards not otherwise classified: None known.
Hazard pictograms:	

Section 3. Composition/Information on Ingredients

Ingredient Name	Mixture of Organic Peroxides

(Note: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.)

Section 4. First-Aid Measures

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek immediate medical attention.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek immediate medical attention.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media	Water spray jet, alcohol-resistant foam, dry chemical, or carbon dioxide (CO_2).

Specific Hazards	Combustible liquid. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the ground to an ignition source.
Special Protective Equipment	Wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6. Accidental Release Measures

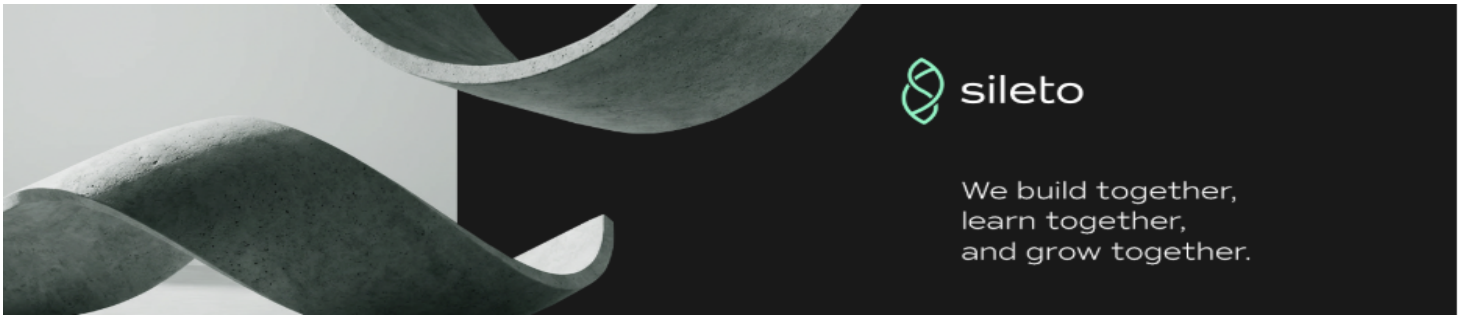
Personal Precautions	Evacuate personnel to safe areas. Ensure adequate ventilation. Remove all sources of ignition. Wear appropriate PPE (see Section 8).
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains, waterways, or soil.

Section 7: Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. Take measures to prevent the buildup of electrostatic charge.
Storage	Keep the container tightly closed in a dry, cool (< 30 °C / < 86 °F), and well-ventilated place. Stable under recommended storage conditions

Section 8: Exposure Controls / Personal Protection

Engineering Controls	Use local exhaust ventilation
Personal Protective Equipment (PPE) 	**Eye/Face:** Tightly fitting safety goggles and face shield.
	Skin: Chemical-resistant, impervious gloves (e.g., nitrile or butyl rubber). Complete suit protecting against chemicals.
	Respiratory: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination cartridges.
Hygiene Measures 	Wash hands after handling; do not eat, drink, or smoke in work areas



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Section 9: Physical and Chemical Properties

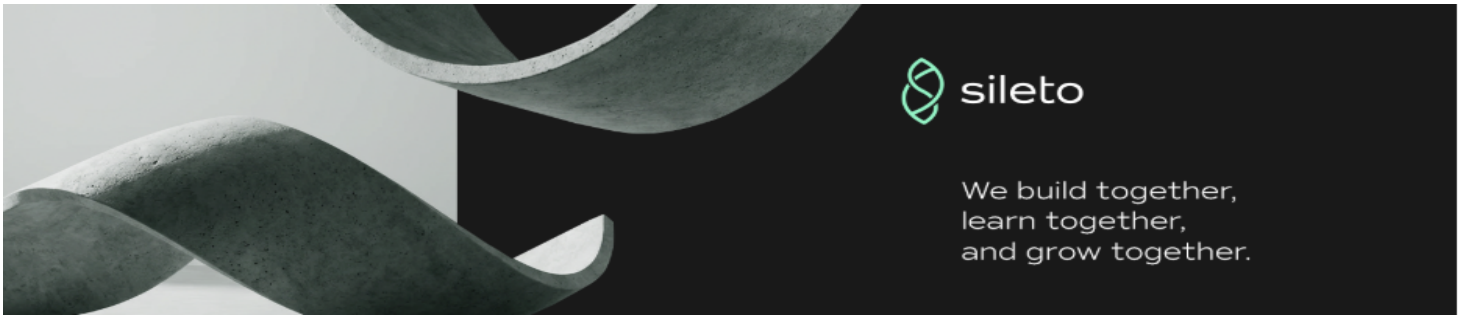
Appearance	Colorless liquid
Odor	Slight
Density	1 g/cm^3
Boiling Point	Decomposes below the boiling point.
Flash Point	> 65°C
Water Solubility	Soluble
Self-Accelerating Decomposition Temperature (SADT)	60°C. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.

Section 10: Stability and Reactivity

Reactivity	Stable under recommended storage conditions. Heating may cause a fire or explosion.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Vapors may form explosive mixture with air.
Conditions to Avoid	Protect from contamination. Contact with incompatible substances can cause decomposition at or below SADT. Heat, flames and sparks. Avoid confinement.
Incompatible Materials	Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents.
Hazardous Decomposition Products	Irritant, caustic, flammable, noxious/toxic gases and vapors can develop in the case of fire and decomposition.

Section 11: Toxicological Information

Acute Toxicity	Harmful if swallowed or if inhaled.
Skin Corrosion/Irritation	Causes severe skin burns.
Serious Eye Damage/Irritation	Causes serious eye damage.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Carcinogenicity	May cause cancer.



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Section 12: Ecological Information

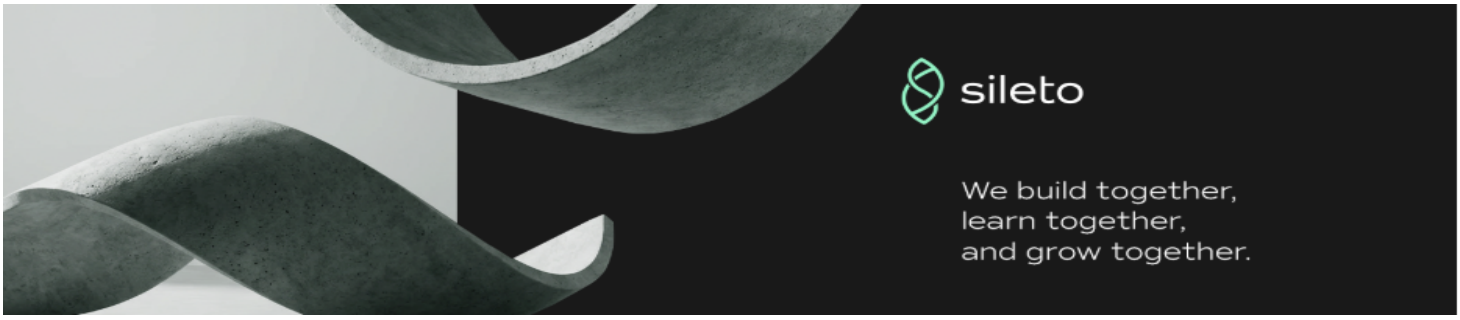
Toxicity	FISH - LC50 (Poecilia reticulata (guppy)): 44.2 mg/l. Exposure time: 96 h DAPHNIA AND OTHER AQUATIC INVERTEBRATES- EC50 (Daphnia magna (Water flea)): 39 mg/l. Exposure time: 48 h ALGAE/AQUATIC PLANTS - EC50 (Pseudokirchneriella subcapitata (green algae)): 5.6 mg/l. Exposure time: 72 h MICROORGANISMS - EC50 (Bacteria): 48 mg/l. Exposure time: 0.5 h		
Ecotoxicity	Avoid release into the environment. The proprietary initiator is known to be harmful to aquatic life with long lasting effects.		
Persistence & Degradability	Readily biodegradable.		
Bioaccumulative Potential	**$LogP_{ow}$**	**BCF**	**Potential**
Organic Peroxide	1.6	57	Low

Section 13: Disposal Considerations

Waste Disposal Method	Dispose of wastes via a licensed waste disposal contractor. Do not dispose of untreated material into sewers or waterways.
Contaminated Packaging	Dispose of as unused product. Empty containers may retain product residues.

Section 14: Transport Information

UN Number	UN 3105
Proper Shipping Name	ORGANIC PEROXIDE TYPE D, LIQUID
Transport Hazard Class(es)	
Packing Group	Not assigned by regulation.
Environmental Hazards	Marine pollutant.
Labels	Organic Peroxides, Keep Away From Heat.
Special Precautions for user	The transport classification provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet.



	Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory Information

TSCA	No substances are subject to TSCA 12(b) export notification requirements.
SARA 311/312	Flammable (gases, aerosols, liquids, or solids). Organic peroxides. Acute toxicity (any route of exposure). Carcinogenicity. Reproductive toxicity. Specific target organ toxicity (single or repeated exposure). Skin corrosion or irritation. Serious eye damage or eye irritation.
SARA 313	Reporting requirements: CAS numbers 80-15-9, 131-11-3, 98-82-8, 98-86-2.
California Prop. 65	WARNING: This product can expose you to chemicals including Cumene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Section 16: Other Information

Preparation Date	October 30, 2026
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release.