

Section 1: Identification

Product name(s):

- FAST-ACT®

Manufacturer:
 Timilon Technology Acquisitions LLC
 12557 New Brittany Blvd, #31-2
 Ft. Myers, FL 33907
 (239) 331-5711


Product Information:
 (239) 331-5711

24-Hour Chemtrec Emergency Number:
 U.S. (800) 424-9300
 International (703) 527-3887

Section 2: Hazard(s) Identification

Hazard Classification(s):

- Acute Oral: GHS Category 5
- Acute Dermal: GHS Category 5
- Acute Eye Irritation: GHS Category 2B
- Carcinogen: Not applicable



Signal Word:
 WARNING

Hazard Statement:
 May be harmful if swallowed, causes eye irritation.

Precautionary Statement:

Prevention	Response
	Call a poison center/doctor/physician if you feel unwell.
	If in the eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.

Any Hazards not Otherwise Classified: None.



Section 3: Composition/Information on Ingredients

Chemical Name (Common Name/Synonyms):

Titanium Dioxide
Magnesium Oxide

CAS Number:

13463-67-7
1309-48-4

Section 4: First-Aid Measures

Skin: Flush with copious amounts of water for at least 15 minutes, remove contaminated clothing and shoes.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Eyes: Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingertips. Seek medical attention.

Ingestion: Wash out mouth with water provided that person is conscious. Seek medical attention.

For internal contact via wounds, flush wound with water.

Important Symptoms (acute or delayed) or Effects:

May cause physical eye irritation. May cause skin irritation. May be irritating to mucous membranes and upper respiratory tract.

May cause physical irritation of the skin and eyes, with redness and swelling, cough, and sneezing.

Acute effects include irritation of mucous membranes and upper respiratory tract. Exposure may cause diarrhea.

Section 5: Fire-Fighting Measures

FAST-ACT is not flammable, combustible, or explosive. May emit toxic fumes at temperatures greater than 2800°C. The formulation may be exposed to water, carbon dioxide, dry chemical, and foam-extinguishing agents as necessary during fire-fighting operations.



Section 6: Accidental Release Measures

Personal Precautions: Avoid generating dusty conditions, provide adequate ventilation.

Emergency Procedures: Clean up spills immediately, using appropriate protective equipment.

Cleanup Procedures: A spill of FAST-ACT poses hazards similar to nuisance dust. Vacuum or sweep up material and place into a suitable disposal container.

Section 7: Handling and Storage

Recommendations for safe storage:

Store in sealed containers to avoid slow reactions with carbon dioxide and moisture in air.

Incompatibilities:

Exothermic reaction with strong acids and oxidizing agents, phosphorus pentachloride, trichlorides, and chlorine. Will absorb CO₂ from air.

Section 8: Exposure Controls/Personal Protection

Material:	OSHA PEL:	ACGIH TLV:
Titanium Dioxide	15 mg/m ³	10 mg/m ³
Magnesium Oxide	15 mg/m ³	10 mg/m ³

Controls:

The mechanical ventilation of work areas is recommended when prolonged exposure to dust may be present. Workers should wash exposed skin thoroughly after any possible exposure.

Respiratory Protection: Use NIOSH approved respirators where prolonged exposure is expected or exposure above the PEL.

Skin Protection: Wear suitable protective gloves and clothing.

Eye Protection: Wear appropriate protective glasses or chemical safety goggles.

Other Protective Equipment: None.

Section 9: Physical and Chemical Properties

Color/Appearance: White Powder
Odor: Odorless
Odor Threshold: no data available
Molecular Weight: no data available
Boiling Point: no data available
Melting Point: no data available
Flash Point: no data available
Evaporation Rate: no data available
Upper/Lower Flammability: no data available
Flammability: Not flammable.
Specific Gravity: no data available
Vapor Pressure: no data available
Vapor Density: no data available
Relative Density: no data available
Solubility in water: no data available
pH: 11.5 (in solution of water)
Partition coefficient: no data available
Auto-ignition Temperature: no data available
Decomposition Temperature: no data available
Viscosity: no data available
Bulk Density: 0.7 g/cc
Surface Area: $\geq 300 \text{ m}^2/\text{g}$
Typical Moisture Content: $\leq 2.5\%$
Typical Loss on Ignition: $\leq 7\%$
Particle Size: 5 μm (nominal)

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal temperature and pressure.

Other:

- Hazardous Polymerization: None.
- Incompatibility: Exothermic reaction with strong acid and oxidizing agents, phosphorus pentachloride, trichlorides, and chlorine. Will absorb CO_2 from air.
- Decomposition Products: None.

Section 11: Toxicological Information

Likely Routes of Exposure: Eye and skin contact, inhalation.

Effects:

- **Acute Health Hazards:** May cause physical irritation of the skin and eyes, with redness and swelling, cough, and sneezing.

Measures of Toxicity:

- **Acute Oral:** LD₅₀ > 2 g/kg
- **Acute Dermal:** LD₅₀ > 5 g/kg
- **Inhalation (TWA):** 825 mg/kg, non-toxic
- **Acute Eye Irritation:** EPA Category III, “slightly irritating”
- **Skin Sensitizer:** Non-sensitizer
- **Teratogen:** No
- **Mutagen:** No

Symptoms:

- **Eye Contact:** May cause physical eye irritation.
- **Skin Contact:** May cause skin irritation.
- **Inhalation:** May be irritating to mucous membranes and upper respiratory tract.

Carcinogen Status:

- **OSHA:** No
- **NTP:** No
- **ACGIH (TiO₂):** Group 3; Not classifiable as human carcinogen
- **IARC:** 2B

Section 12: Ecological Information

None available.



Section 13: Disposal Considerations

FAST-ACT may be diluted in large amounts of water. Hydrolysis may generate heat.

Not regulated as a hazardous waste under Federal RCRA. In some cases where FAST-ACT neutralizes the chemical spill, the material cleaned up will no longer be considered hazardous waste.

Disposal should be in accordance with applicable local, state, and federal regulations.

Section 14: Transport Information

The chemicals formulated in FAST-ACT are not subject to the U.S. DOT hazardous chemical shipping regulations.

ADR/RID: Not dangerous goods

IMO/IMDG: Not dangerous goods

ICAO and IATA: Not dangerous goods

Section 15: Regulatory Information

TSCA: Components are listed in the TSCA inventory.

SARA (Title 313): No reporting requirements.

CERCLA RQ: None.

Section 16: Other Information

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200(g).

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