

# MATERIAL SAFETY DATA SHEET

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**Product:** Trident F-01 Concrete Additive

**Revision Date:** January 30, 2024

Acc to OSHA & ANSI

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

**Product Name:** Trident F-01 Concrete Additive

**Synonyms:** Trident F-01; Trident F-01 Strengthening Additive; Trident F-01 Concrete Additive

**Manufacturer:** Pipedream Industries

**Address:** 1245 Rum Creek Parkway, Stockbridge GA 30281

**Telephone:** 404-996-9996

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## 2. COMPOSITION DATA ON COMPONENTS

Component	%	OSHA/PEL
Advanced Nanomaterial	1%-10%	CAS Number: 308068-56-6
Proprietary Plasticizer	5%-20%	—
Proprietary Stabilizer	1%-5%	—
Aqueous Solution	70%-95%	CAS Number: 27732-18-5

### 3. HAZARDS IDENTIFICATION

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**Hazard Code:** H302, H313, H316, H317, H320

#### **Precautionary Statements - Prevention:**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Avoid eye exposure
- Do Not Freeze
- Avoid Ingestion of any Kind
- Keep container tightly closed and away from UV light

### 4. FIRST AID MEASURES

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**General Advice:** If exposed or concerned, get medical advice/attention.

**If Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**In Case of Skin Contact:** Rinse skin with water/shower until entire liquid solution system is washed away from skin. Use Soap and Water.

**In Case of Eye Contact:** 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.

**If Swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Contact Poison Control at 800-222-1222.

## 5. FIRE-FIGHTING MEASURES

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<b>Flash Point:</b>	Not Applicable
<b>Explosion Limits:</b>	Not Applicable
<b>Extinguisher Medium:</b>	Water, Carbon Dioxide, Dry Chemical, or Foam
<b>Special Procedures:</b>	Not Applicable
<b>Decomposition Products:</b>	Carbon Dioxide, Water, Carbon Monoxide, Amorphous Carbons, Amorphous Silicas
<b>Suitable Extinguishing Agents:</b>	CO2, extinguishing powder or water spray. Fight larger fires with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

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**Person-Related Safety Precautions:** Wear protective equipment. Keep unprotected persons away. Always use gloves and goggles while handling.

**Additional Information:**

- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment
- See Section 13 for disposal information

## 7. HANDLING & STORAGE

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**Handling:** Handle with Care

**Storage:** Keep in closed container for storage.

**Information for Safe Handling:**

- Keep the container tightly sealed
- Store in a cool, dry place in tightly closed containers
- Store in dark location

**Information About Protection Against Explosions and Fires:** No Special Requirements.

**Requirements to be Met by Storerooms and Receptacles:** No Special Requirements.

**Further Information About Storage Conditions:**

- Keep the container tightly sealed
- Store in cool, dry conditions in well sealed containers

## 8. PHYSICAL & CHEMICAL PROPERTIES

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<b>Form:</b>	Liquid Suspension
<b>Color:</b>	Black Liquid
<b>VOC:</b>	0 g/L
<b>pH:</b>	6.5-8.5
<b>Odor:</b>	Charcoal Like Odor
<b>Melting Point/Melting Range:</b>	Not Determined
<b>Boiling Range:</b>	Not Determined
<b>Sublimation Temperature / Start:</b>	Not Determined
<b>Flash Point:</b>	Not Determined
<b>Ignition Temperature:</b>	Not Determined
<b>Decomposition Temperature:</b>	Not Determined
<b>Danger of Explosion:</b>	Product does not present an explosion hazard
<b>Lower Explosion Limit:</b>	Not Determined
<b>Upper Explosion Limit:</b>	Not Determined
<b>Vapor Pressure:</b>	Not Determined
<b>Density at 20°C:</b>	~ 1.02 g/cm <sup>3</sup>

## 9. TOXICOLOGICAL INFORMATION

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**On Skin:** Irritant to skin and mucous membranes. Wear Gloves and handle with care.

**On The Eye:** Irritating effect. Potential Blinding may occur. Prevent Eye contact, wear proper eye protective equipment.

**Sensitization:** No sensitizing effects known. Irritant to skin and eye.

**Subacute To Chronic Toxicity:** NA

## 10. DISPOSAL CONSIDERATIONS

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**Product:** Trident F-01 Concrete Additive

**Recommendation:** Consult state, local or national regulations to ensure proper disposal. Specific care should be taken to ensure that no carbon nanotubes or carbon nanotube packaging is released into the environment.

## 11. REGULATIONS

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**Product:** Trident F-01 Concrete Additive

**Hazard Symbols:** ⚠

**Safety Phrases:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**National Regulations:** All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

**Information About Limitation Of Use:** For use only by technically qualified individuals.

## 12. TRANSPORTATION

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<b>Semi-Truck Trailer:</b>	Product can be shipped through conventional semi-truck trailers. No restrictions applied.
<b>Air Transport:</b>	Product can be shipped through conventional air transport systems. No restrictions applied.
<b>Train and Rail Car:</b>	Product can be shipped through conventional Rail. No restrictions applied.
<b>Ship and Ports:</b>	Product can be shipped through conventional ports and shipping containers. No restrictions applied.

## 13. PROP 65 OEHHA COMPLIANCE

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This product contains Carbon Nanotubes. Carbon Nanotubes in an aerosolized form are known to the state of California to cause cancer.

The Carbon Nanotubes are embedded into a dispersion matrix preventing aerosolization. Do not use traditional aerosolization equipment. Doing so will release Carbon Nanotubes into the air.

## 14. OTHER INFORMATION

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Employers should use this information only as a supplement to other information gathered by them, and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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