

# SAFETY DATA SHEET

## 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name** - Steel Fiber for Reinforcement of Ultra-High Performance Concrete

**Synonyms** - Cold Drawn High Carbon Steel Fiber

**Use/Description** - For use in ultra-high performance concrete and construction

<b>SUMIDEN WIRE PRODUCTS Mill Locations (24 Hour Contact – CHEMTREC 1-800-424-9300)</b>		
Sumiden Wire Products 710 Marshall Stuart Dr Dickson, TN 37055 (615) 446-3199	Sumiden Wire Products 1800 Highway 146 Dayton, TX 77535 (936) 257-6010	Sumiden Wire Products 1412 El Pinal Dr. Stockton, CA 95205 (209) 466-8924

## 2. - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** - Cold Drawn High Carbon Steel Fibers AS SOLD BY SUMIDEN WIRE PRODUCTS CORPORATION are NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Classification**- Not a hazardous substance according to the Globally Harmonized System (GHS)

**Potential Health Effects:**

Eye Contact - Steel fibers can cause cuts or punctures. May cause eye irritation.

Skin Contact- Steel fibers can cause cuts or punctures.

Inhalation - No significant irritation expected.

Ingestion - Steel fibers can cause cuts or punctures. Seek medical attention if ingested.

**HMIS Hazard ID** - (Health:0) (Flammability:0) (Reactivity:0)

**NFPA Hazard ID** - (Health:0) (Flammability:0) (Reactivity:0)

## 3. - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	V (%)
Element	0.50 – 0.95	0.10 - 0.95	0.30 - 0.85	≤0.015	≤0.015	≤0.30	≤0.06

## 4. - FIRST AID MEASURES

**Eye Contact** - Flush eyes with plenty of water for at least 15 minutes occasionally lifting the eye lids. Get medical attention if irritation persists.

**Skin Contact** - Symptomatic treatment.

**Inhalation** - Not applicable.

**Ingestion** - Seek medical attention.

## **5. - FIRE FIGHTING MEASURES**

**Flash Point** - Not applicable

**Auto ignition Temperature** - Not determined

**Flammability Classification** - None

**Extinguishing Media** - Agents approved for Class A hazards (e.g., halogenated agents, foam, steam) or water fog.

**Unusual Fire or Explosion Hazards** - Steel products do not present fire or explosion hazards under normal conditions.

**Fire Fighting Equipment** - Firefighters should wear full bunker gear, including a NIOSH/MSHA approved positive pressure breathing apparatus (SCBA).

**Hazardous Combustion Products** - Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

## **6. - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** – Protective equipment and emergency procedures: No data available.

**Methods and Material for Containment and Cleaning up** – Product requires no spill or leak containment. Dispose of damaged material in accordance with all government regulations.

## **7. - HANDLING AND STORAGE**

**Handling** – Risk of laceration from sharp cut ends. Observe normal hygiene standards.

CAUTION! Use standard industry practices and / or consult your company's safety department for proper procedures for handling, opening, and cutting.

**Storage** - Store in a dry area. No special storage temperature requirements. Keep away from acids, and oxidizing agents. Suitable packaging materials include synthetic materials, and wood.

## **8. - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits** - None of the components have assigned exposure limits.

**Appropriate Engineering Controls** - Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

**Eye Protection** - Use safety glasses.

**Skin** - Appropriate protective gloves, safety boots, and safety clothing should be worn as a good industrial practice.

**Respiratory Protection** - Not required.

## **9. - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** - Metal fibers.

**Odor** - Essentially odorless.

**pH** - Not determined.

**Vapor Pressure** - Not determined.

**Vapor Density** - Not determined.

**Boiling Point** - Not determined.

**Melting Point** - Not determined.

**Solubility in Water** - Insoluble.

**Specific Gravity (water = 1)** - 7.8.

## **10. - STABILITY AND REACTIVITY**

**Stability** – Stable.

**Conditions to Avoid** – None identified.

**Materials to Avoid** - Strong acids oxidizing agents.

**Hazardous Decomposition Products** – N/A.

**Hazardous Polymerization** - Will not occur.

## **11. - TOXICOLOGICAL INFORMATION**

### **Acute Toxicity Data:**

Eye irritation - No data available.

Skin irritation - No data available.

Oral - No data available.

Dermal - No data available.

**Other Toxicity Data** - Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and / or professional experience.

## **12. - ECOLOGICAL INFORMATION**

**Eco toxicity** - No data available.

**Mobility in Soil** - No data available.

**Bio accumulative Potential** - No data available.

**Other Adverse Effects** - No data available.

## **13. - DISPOSAL CONSIDERATIONS**

Dispose in accordance with federal, state, and local health and environmental regulations.

## **14. - TRANSPORT INFORMATION**

**U.S. DOT** - Not regulated for transport.

**SEA (IMO / IMDG)** – No data available.

**AIR (ICAO / IATA)** – No data available.

**European Road / Rail (ADR / RID)** – No data available.

**Canadian Transportation of Dangerous Goods** – No data available.

## **15. - REGULATORY INFORMATION**

**Federal Regulations (USA)** – All materials in this product are listed on the TSCA inventory. This product contains no ingredients subject to reporting under SARA 313 (40 CFR Part 372) or SARA section 311 / 312.

**International Regulations** – No data available.

**Toxic Substances Control Act (TSCA)** - Components of this product are listed on the TSCA Inventory.

## **16. - OTHER INFORMATION**

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