

SAFETY DATA SHEET (SDS)

May be used to comply with OSHA'S Hazard Communication
Standard 29CFR1910.1200

Section 1 – Identification

Product Identifier: **Flex-Ten 304 or 430 Stainless Fibers** ¾" to 1" long.
Product Description/Use: Stainless Steel Fiber additive for strengthening of concrete and cement based products.
Referred to in industry as "Steel Fibers" or "Steel needles"
Manufacturer's Name: D&C SUPPLY COMPANY INC.
Emergency Telephone Number: (412)-221-1191
Address: 335 Washington Ave. Bridgeville PA 15017
For Information Phone: (412)-221-1191
Date prepared: 11/10/2016 by: Michael Horan

Section 2 – Hazards Identification

Non-Hazardous. Non-Chemical. Particulate free. Although Flex-Ten Steel Fibers are non-hazardous and safe to use care should be taken when handling. It is very possible to be cut or receive a puncture thus Leather gloves and Safety goggles should be worn during handling at all times. Flex-Ten Fibers contain no dust or floating particles. Fibers should be used carefully as to avoid any spillage/spreading on work floor area. Fibers can stick or puncture tennis shoes so it is advised to wear work boots.

Section 3 – Composition and Information on Ingredients

As a defined "ARTICLE" Under OSHA Guide lines, Flex-Ten Stainless Steel Fibers are a non-chemical and conforms to that definition in all respects.

Flex-Ten Steel Fibers made from stainless strip steel are inert and do not represent a chemical hazard.

General chemistry stainless steel strip is: Carbon .08-12%, Manganese 1-2%, Phosphorous .040-.045, Chrome 18.0-20.0 Nickel 8.0-10.5 (304 Stainless Only) Sulfur .03, Silicon 1.0, Balance (Fe)Iron

Section 4 – First Aid Measures

If a cut or puncture wound occurs seek first aid as soon as possible. These types of cuts or punctures are normally minor in nature but should not be overlooked. Basic first aid kit should be close by. Although steel fibers contain no dirt or coatings, an up to date tetanus shot may be recommended.

Section 5 – Fire and Explosion Hazards

No Fire or explosion hazard is present. Flex-Ten Stainless fibers are 100% non-flammable and non-combustible. Explosion hazard is zero.

Section 6 – Accidental release measures

Accidental release is safe, non-hazardous and dust free. When accidental spillage/release of Flex-Ten Stainless Fibers on shop floor occurs simply sweep (using gloves/goggles) into pile for disposal. Product can be re-used if clean. Dispose of in regular trash or please recycle if possible.

Section 7 – Handling and Storage

No special handling required. No special storage is required. Store in dry area when possible. If stored outside cover pallet with tarp to keep dry. Flex-Ten Fibers come packaged in 50 lb. cardboard cartons and can break open if wet. When handling, or lifting single cartons always use gloves and proper lifting techniques. When handling raw steel fibers always use gloves.

Section 8 – Exposure Controls / Personal Protection

Ventilation: None required, Flex-Ten Steel fibers are free of dust and particulates.

Protective clothing: Always use leather gloves or equivalent to protect hands. Long sleeve shirt / Long pants /work boots and safety goggles. Check shoes/boots before leaving work area for any fibers which may stick to soles

Eye Protection: Safety Goggles recommended.

Section 9 – Physical and Chemical Properties

Flex-Ten Steel are small thin 3/4" inch to 1" long fibers produced from a thin strip of stainless steel.

General chemistry stainless steel strip is: Carbon .08-12%, Manganese 1-2%, Phosphorous .040-.045, Chrome 18.0-20.0 Nickel 8.0-10.5 (304 Stainless Only) Sulfur .03, Silicon 1.0, Balance (Fe)Iron.

Other Physical Properties U.S.: Specific gravity 7.85

Melting point 2500-2700 deg. F

Flex-Ten 304 Stainless conforms to ASTM167

Flex-Ten 430 Stainless conforms to ASTM176

Section 10 – Stability and Reactivity

No known issues. Fully stable and non-reactive -No other applicable information available at this time.

Section 11 – Toxicological information

Flex-Ten Stainless Fibers are Non-Toxic. No Further applicable information is available.

Section 12 – Ecological information

Stainless Steel Fibers are Non-Bio Degradable.

Also, Non-hazardous or Toxic when in contact with moisture or water.

Section 13- Disposal Considerations

Stainless Steel Fibers should be recycled as stainless alloy.

Only dispose of in a garbage container/bag or box. Keep from mixing with earth or ground dirt.

Section 14 – Transport Information

Steel Fibers are transported in cartons on pallets. No restrictions are known.

Section 15 – Regulatory Information

Stainless Steel Fibers are non-regulated.

No Known Regulatory Information is available concerning the use of Stainless Steel Fibers.

Section 16 – Other Information

For more about Stainless Steel Fibers visit the D&C Supply web site at www.steelfiber.com