

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Trade Name: Zoflex® Conductive Rubber FL75E
Manufacturers: Zoflex
Address: 5705 Parkside Crossing, Dublin, OH 43016
Emergency phone: 800-424-9300

2. Hazardous Composition

Organofunctional-siloxanes
Crystalline Silica (CAS#14808-60-7)
Nickel (CAS#7440-02-0)

3. Health Hazards

Primary routes of entry: Inhalation, skin or eye absorption

Eye: May cause eye irritation

Skin: Prolonged and intimate contact with metallic nickel may cause irritation to the skin and nickel sensitivity which may result in allergic skin rashes.

Inhalation: At room temperature, no harmful effects expected. Vapors from heated material may cause respiratory irritation.

Ingestion: Harmful if swallowed.

4. First Aid Measures

Eye Contact: Rinse opened eye for several minutes under running water. Seek medical attention immediately

Skin Contact: Wipe off and wash with soap and plenty of water. Seek immediate medical advice

Inhalation: Supply fresh air. If required, provide artificial respiration. Seek medical attention if necessary.

Ingestion: Seek immediate medical attention. Do not induce vomiting unless so directed by a medical professional.

5. Fire Fighting Measures

Suitable extinguishing agents: Use carbon dioxide, dry chemical or foam.

Hazardous combustion products: May include carbon, silicon oxides, and metal oxide fume.

Protective equipment: Wear self-contained respirator.
Wear fully protective impervious suit.

6. Accidental Release Measures

Clear non-emergency personnel from the area. Remove sources of ignition. Ensure adequate ventilation. Absorb spilled material with an absorbent such as sawdust, vermiculite, dirt, sand, clay, or cob grit. Collect and containerize material.

7. Handling and Storage

Handling: Ensure good ventilation at the workplace. Open and handle container with care. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke in work area. Wash hands after handling. Keep container tightly sealed.

Storage: Store in a cool, dry area in original, tightly closed containers.

8. Exposure Controls/Personal Protection

Engineering controls: provide general and/or local exhaust.
At room temperature special exhaust is not required.

Personal protective equipment

-General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

- Breathing equipment:* Under normal conditions, respiratory protection is not required. In the absence of good ventilation, may use respirator equipped with organic vapor cartridges.
- Eye Protection:* Safety glasses, tightly sealed goggles and full-face protection.

9. Physical and Chemical Properties

Appearance: Grey color paste
Odor: None

Boiling point/boiling range: not determined
Melting point/melting range: not determined
Vapor pressure: not determined
Solubility in water: insoluble
Specific gravity: 1.72@ 20°C

10. Stability and Reactivity

Normally stable, but avoid prolonged storage at elevated temperatures to assure product integrity. Temperatures in excess of 150°C can lead to formaldehyde formation. Don't store near acids or reactive substances. Like other metals, nickel can react with acids to liberate hydrogen gas which can form explosive mixtures in air. Like other metal powders, nickel can react explosively or incandescently with substances such as ammonium nitrate, perchlorates, phosphorous, selenium, sulfur, etc.

Materials to be avoided: Acids and oxidizing agents

Hazardous Decomposition Products: Carbon, silicon and metal oxides, and possibly formaldehyde.

11. Disposal Considerations

Consult state, local or national regulations for proper disposal.

12. Transport Information

Not a hazardous material for transportation based on United Nations Recommendations for the transport of Dangerous Goods and 49 CFR Part 171.

For emergency shipping information, call CHEMTREC Emergency Center (800) 424-9300

13. Information about Limitation of Use

For use only by technically qualified individuals.

14. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment 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.