

# MATERIAL SAFETY DATA SHEET

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## 1. Product and Company Identification

*Trade Name:* Zoflex® Conductive rubber FL45  
*Manufacturers:* Zoflex  
*Address:* 5705 Parkside Crossing, Dublin, OH 43016  
*Emergency phone:* 800-424-9300

## 2. Hazardous Composition

Organofunctional-siloxanes  
Silica (CAS#112945-52-5)  
Silver (CAS#7440-22-4)

## 3. Health Hazards

*Primary routes of entry:* Inhalation, skin or eye absorption

*Eye:* May cause eye irritation

*Skin:* Not likely to cause harmful effects.

*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. Application of water stream to hot product may cause frothing and increase fire intensity. This material may produce a floating fire hazard. If possible, keep fire-exposed containers cool with water spray to prevent rupture.

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

*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.

*Components with limit values that require monitoring at the workplace:*

Silver metal	mg/m <sup>3</sup>
ACGIH TLV	0.1
Belgium TWA	0.1
France TWA	0.1
Germany TWA	0.1 inhalable fraction of the aerosol
Switzerland TWA	0.01
United Kingdom TWA	0.1
Netherlands TWA	0.1
Russia TWA	1 STEL
Denmark TWA	0.01
Finland TWA	0.1
Ireland TWA	0.1
USA PEL	0.01

*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:* Beige color paste

*Odor:* Has a slight solvent odor

*Boiling point/boiling range:* not determined

*Melting point/melting range:* not determined

*Vapor pressure:* not determined

*Solubility in water:* insoluble

*Specific gravity:* 1.7 @ 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.

*Materials to be avoided:* Oxidizing agents

*Hazardous Decomposition Products:* Carbon and silicon 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.

This product contains silver and is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372.

## 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.