

# AKSH OPTIFIBRE LIMITED

## Material Safety Data Sheet

Product type: Single Mode Optical Fiber

Page 1 of 3

### Section 1 : Chemical Product and Company Identification

#### Manufacturer Information

AKSH Optifibre Limited  
F-1075-1081, RIICO Indl Area  
Bhiwadi, Alwar (Rajasthan)  
India – 301 019

Phone: 91-1493-220763

### Section 2: Composition / Information on Ingredients

#### Component Information/Information on non-Hazardous Components

Optical fiber consists of a thin glass filament in a polymer coating. Glass is a solid material produced by combining various raw materials (e.g. oxides, carbonates, etc.), melting these components together, and cooling to a non-crystalline solid having its own unique properties.

### Section 3: Hazards Identification

#### Emergency Overview

This is a non-combustible, non-reactive solid material. It is supplied in the form of a glass filament in two layers of polymer coating. Use methods suitable to fight surrounding fire. Combustion products can include irritating and toxic fumes and gases. The polymer coating of similar products has been found to be a skin sensitizer in tests performed on guinea pigs.

#### Hazard Statements

None.

#### Potential Health Effects: Eyes

Abrasion may occur from dusts.

#### Potential Health Effects: Skin

The polymer coating has been tested and found to be non-irritating to the skin. No components in this product have been found to be absorbed through the skin.

#### Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

#### Potential Health Effects: Inhalation

Dusts from the grinding of this product may cause irritation of the nose, throat, and respiratory tract. When inhaled in very large amounts, damage to the lung can occur.

### Section 4: First Aid Measures

#### Eyes

Eye injuries from glass fibers should be treated by a physician immediately.

#### Skin

Abrasions from any cut or ground fibers should be treated promptly with thorough cleansing of the affected area. Seek medical attention for prompt removal of any particles that may be embedded under the skin.

#### Ingestion

Seek medical attention if material is ingested.

#### Inhalation

Move person to non-contaminated air environment. Call a physician if symptoms persist.

#### Notes to Physician

Sharp edges of glass may cause mechanical injury.

# AKSH OPTIFIBRE LIMITED

## Material Safety Data Sheet

Product type: Single mode Optical Fiber

Page 2 of 3

### Section 5: Fire Fighting Measures

#### General Fire Hazards

The coating portion of this material may burn at elevated temperatures.

#### Hazardous Combustion Products

Irritating and/or toxic products of combustion include carbon dioxide, carbon monoxide, and possibly some carbon-containing fragments of the polymer coating.

#### Fire Fighting Equipment/Instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and facemask.

### Section 6: Accidental Release Measures

#### Clean-Up Procedures

Wear suitable protective equipment and reclaim any spilled fibers. Place in a closed container.

#### Special Procedures

Spilled fibers tend to create a slipping hazard on hard surfaces.

### Section 7: Handling and Storage

#### Handling Procedures

Do not sand, flame cut, braze, or weld the dry coating without NIOSH approved respirator or appropriate ventilation.

#### Storage Procedures

Store in a dry area away from heat, sparks, and open flame.

### Section 8: Exposure Controls / Personal Protection

#### Engineering Controls

If material is ground, cut or used in any operation, which may generate small particles, use appropriate local exhaust ventilation.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Eyes/Face

Wear safety glasses with side shields.

##### Skin

Use of butyl rubber is recommended.

##### Respiratory

Not normally needed. If permissible levels are exceeded, use NIOSH approved dust respirator.

### Section 9: Physical & Chemical Properties

Appearance	Translucent white
Odor	Acrylate odor
Physical State	Solid

### Section 10: Chemical Stability & Reactivity Information

#### Chemical Stability

Stable.

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# AKSH OPTIFIBRE LIMITED

## Material Safety Data Sheet

Product type: Single Mode Optical Fiber

Page 3 of 3

### Section 11: Toxicological Information

#### Acute Toxicity

Not available.

### Section 12: Ecological Information

#### Eco toxicity

No data is available.

#### Environmental Fate

No data for this product is available.

### Section 13: Disposal Considerations

#### Disposal Instructions

This product does not contain any component identified as hazardous under 40 CFR 261.24. Waste must be handled in accordance with all applicable regulations. Purchaser is advised to review regulations referenced for applicability as determined by purchaser's use of the product.

### Section 14: Transportation Information

#### International Transportation Regulations

Not regulated

### Section 15: Regulatory Information

#### US Federal Regulations

TSCA: All components are listed on the TSCA inventory.

### Section 16: Other Information

#### Other Information

Reasonable care has been taken in the preparation of this information, but AKSH makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. AKSH makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

#### Contact:

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