



# HAZARD COMMUNICATION SAFETY DATA SHEET

Doc: 2016-12-15.001

## 1. Identification

Product Name: Silicaflex™ Sleeve  
 Synonyms or Product Family: Braided Silica Sleeve, High Silica Sleeve, Braided SiO2 Sleeve  
 CAS Number: Amorphous Silica 7631-86-9  
 Hydrocarbon Coating None Assigned  
 Recommended use: Heat protection and insulation on hoses and cables  
 Restriction on use: None known  
 Manufacturer/ Supplier: **ADL Insulflex, Inc.**  
 A member of the ADL Group.  
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## 2. Hazards Identification

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture: Not classified

GHS Label Elements:  
 Signal Word: No signal word  
 Hazard statements: No known significant effects or critical hazards.  
 Precautionary statements:  
 Prevention: Not Applicable  
 Response: Not Applicable  
 Storage: Not Applicable  
 Disposal: Not Applicable  
 Supplemental label elements  
 Hazards not otherwise classified: None Known

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Amorphous silica	7631-86-9	96%
Hydrocarbon coating		0.3 - 0.5% (% of actual coating as a % of the base silica material)

Component Related Regulatory Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as carcinogen.

Component Information/Information on Non-Hazardous Components

No additional information available.

#### 4. First Aid Measures

Primary Route of Exposure:  
Inhalation

Skin contact, inhalation, ingestion & eye contact.  
Inhalation of airborne fibers may cause irritation to the mouth, nose and throat.

Skin Contact  
Eye Contact  
Ingestion:

Temporary irritation of skin may be produced.  
Slight irritation may be caused in contact with eyes.  
May cause temporary irritation of the digestive tract, but not an expected route of entry in industrial uses.

Description of necessary first aid measures:  
Eye:

Flush for 15 minutes with copious amounts of lukewarm water. Seek medical attention if irritation persists.

Skin:  
Inhalation:  
Ingestion:

Wash thoroughly with warm water and non-abrasive soap.  
Remove person to fresh air and seek medical attention.  
Seek medical attention immediately.

#### 5. Fire Fighting Measures

Suitable Extinguishing Media:  
Fire Fighting Procedures:  
Unusual Fire and Explosion Hazards:

Water spray; carbon dioxide; dry chemical; foam.  
In a sustained fire, use self-contained breathing apparatus.  
During sustained fire irritating and/or toxic gases may be generated by combustion.

Special Protective Equipment and Precautions for Fire Fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

#### 6. Accidental Release Measures

Material is a solid.

Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant.

#### 7. Handling and Storage

Precautions for handling and storage:

Normal warehouse conditions. Particular care should be taken to minimize dust when working with "used" material.

#### 8. Exposure Controls / Personal Protection

Exposure Limits:

Component Name (CAS #)	OSHA PEL (8hr TWA)	ACGIH TLV (8hr TWA)	NIOSH (8hr TWA)	IDLH (8hr TWA)
Amorphous Silica (7631-86-9)	80mg/m <sup>3</sup> +% SiO <sub>2</sub> OR 20 mppcf	10 mg/m <sup>3</sup> (inhalable); 3 mg/m <sup>3</sup> (respirable)	6 mg/m <sup>3</sup>	3000 mg/m <sup>3</sup>
Hydrocarbon coating	This product is not considered hazardous as defined by 29 CFR 1910.1200 (OSHA Hazcom Standard)			

Engineering controls:	None known
Personal Protective Equipment (PPE):	Wear rubber gloves when handling this product. Personnel that are more susceptible to irritation from fibers or dusts should wear full-body coveralls.
Eye and Skin protection:	Safety glasses with side shields or chemical splash goggles must be worn to prevent eye contact. A good safety practice is to have an eye wash station readily available near the work area.
Respiratory protection:	Wear an approved disposable dust respirator designed for nuisance-type dusts. If exposure limits are exceeded or if irritation is experienced, NIOSH-Approved respiratory protection should be worn.
Ventilation:	Local exhaust ventilation (if needed) to maintain appropriate airborne dust levels.

## 9. Physical and Chemical Properties

Physical State:	Solid
Colour:	Off-White or tan
Odour:	None
Odour Threshold:	Not Applicable
pH-value:	Not Applicable
Melting Point:	>3000°F
Freezing Point:	Not Applicable
Initial Boiling Point/ Boiling Range:	4046°F
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability (Solid, Gas):	Not Applicable
Explosion Limits:	Not Applicable
Vapour Pressure:	Not Determined
Vapour Density:	Not Determined
Relative Density:	Not Applicable
Solubility:	Insoluble
Partition Coefficient:	Not Applicable
Auto-Ignition Temperature:	Not Applicable
Decomposition Temperature:	Not Applicable
Viscosity:	Not Applicable
Specific gravity:	2.20

## 10. Stability and Reactivity

Reactivity:	Not Applicable
Chemical Stability:	Product is stable at normal temperature and storage conditions
Possibility of Hazardous Reactions:	None Known
Conditions to Avoid:	None Known
Incompatible Materials:	Basic phosphates, hydrofluoric acid, some oxides and hydroxides.
Hazardous Decomposition Products:	(Coating Only): Oxidation of the coating produces carbon monoxide and carbon dioxide.

## 11. Toxicological Information

Signs and Symptoms of Overexposure:	Material is considered inert.
Acute Effects:	See Section 4
Eye Contact:	See Section 4
Skin Contact:	See Section 4
Inhalation:	See Section 4

Ingestion: See Section 4

Chronic Effects and Carcinogenicity:  
General Product Information

Material which has been subjected to elevated temperatures (>1800°F) may undergo partial conversion to cristobalite, a form of crystalline silica, which may cause respiratory illness. The amount of cristobalite present will depend on the temperature and the length of service. The OSHA PEL for cristobalite is 0.05 mg/m<sup>3</sup> (respirable).

Medical Conditions Aggravated by Exposure: Chronic respiratory and skin conditions may temporarily worsen from exposure to this product.

Acute Toxicity Values: None Known

## 12. Ecological Information

No information is available; however, toxicity is expected to be low, based on the insolubility in water of the product.

## 13. Disposal Considerations

Disposal method: User should follow normal methods of disposal in accordance with any governmental regulations.

## 14. Transport Information

UN Number:	None
UN Proper Shipping Name:	None
Transport Hazard Class(es):	None
Packing Group:	None
Environmental Hazards:	None
Transport in Bulk, if Applicable:	None
Special Precautions:	None

## 15. Regulatory Information

Safety, health and environmental regulations specific to the product:

WHMIS Hazard Class:	Non- regulated
Harmonized Code:	7019.39.12

## 16. Other

Users are advised to ensure that this information is brought to the attention of their employees handling the product. The information given herein is believed to be reliable. However, ADL Insulflex, Inc. makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. ADL Insulflex, Inc.'s obligations shall be only as set forth in ADL Insulflex, Inc.'s standard terms and conditions of sale for this product. In no case will ADL Insulflex, Inc. be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product.

Users of ADL Insulflex, Inc. products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute of Occupational Safety and Health
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
IDHL	Immediately Dangerous to Life or Health

SDS preparation date:

December 15, 2016