

# INSULFLEX®

**Product: EAF Cable Cover**

**MATERIAL SAFETY DATA SHEET**



## 1. Chemical product and Company identification

Emergency contact:	ADL Insulflex, Inc. (address & emergency phone numbers – page 4)
Revised:	June 2011
Chemical family:	Silicone rubber
Formula:	Proprietary mixture
Product description:	White fiberglass yarn woven to produce a blanket which is covered with silicone rubber on one side and sewn into a sleeve with Nomex Velcro closure. Red/orange in colour.

## 2. Composition / Information on ingredients

Continuous filament fiberglass	C.A.S. Number	65997-17-3
Silicone – Polysiloxane		63148-53-8
Zinc Borate		10192-46-8

## 3. Hazards identification

Principle Routes of Exposure:	Inhalation
Acute:	Exposure to glass fibers sometimes causes irritation of the skin. Less frequently irritation of the eyes, nose or throat may occur. Ingestion may cause short-term irritation of the stomach and intestines. See section 8 of the MSDS for exposure controls.
Chronic:	There are no known health affects connected With long term use or contact with this product. See section 11 of MSDS for toxicology information.

## 4. First Aid measures

Ingestion:	Ingestion is unlikely. If it does occur, watch for several days to make sure intestinal blockage does not occur. If there is blockage, seek medical attention.
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Skin:	Wash thoroughly with warm water and non-abrasive soap.
Inhalation:	Remove person to fresh air and seek medical attention if irritation persists.
In case of eye contact:	Flush for 15 minutes with copious quantities of lukewarm water. Seek medical attention if irritation persists.
Note to physician:	None known.

**5. Fire Fighting measures**

Flash point:	Non-burning
Auto ignition temp.	N/A
Flammable limits in air – upper %	Does not support flame
Sensitivity to mechanical impact:	No
Sensitivity to static discharge:	No
Extinguishing media:	N/A.
Special fire fighting procedures:	In a sustained fire, use self-contained breathing apparatus.

**6. Accidental Release measures**

Material is a solid. Vacuum or wet-sweep fibrous dust.

**7. Handling and storage**

Precautions for handling and storage: Normal warehouse conditions.

**8. Exposure controls / Personal protection**

Engineering controls:	None known
Respiratory protection:	Some applications of these products may not require respiratory protection for fiberglass. However, if airborne fibrous glass concentrations exceed the OSHA permissible limits or if irritation occurs, a properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8210 (formerly 8710) or model 9900 (in high humidity environments) or equivalent should be used. Use respiratory protection in accordance with your local regulations and OSHA regulations under CFR 1910.134.
Protective clothing:	Loose fitting long sleeved shirt that covers to the base of the neck, long pants and gloves. Skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, waist and between fingers.
Eye and face protection:	Safety glasses with side shields, or goggles.
Other protective equipment:	None required.
Ventilation:	Local exhaust ventilation (if needed) to maintain appropriate airborne dust levels.

Exposure guidelines:	<u>OSHA PEL</u> (8-hr TWA)	<u>AGGIH TLV</u> (8-hr TWA)
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Fiber Glass Continuous Filament	5mg/m <sup>3</sup> (respirable dust)	5mg/m <sup>3</sup> (inhalable fraction)
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15mg/m <sup>3</sup> (total dust)	1 fiber/cc (respirable)
1 fiber/cc (respirable, proposed)	

## 9. Physical and chemical properties

Boiling point:	N/A
Vapor pressure:	N/A
Vapor density:	N/A
Freezing point:	N/A
Melting point:	N/A
Physical state:	Solid
Odor:	None
Specific gravity:	Undetermined
Acid/alkalinity	Unknown
pH:	N/A
Solubility in water:	Insoluble
VOC:	Unknown

## 10. Stability and reactivity

Stability:	Stable
Hazardous polymerization:	Will not occur.
Hazardous thermal decomposition/ /combustion products:	Carbon dioxide; carbon monoxide; silicone dioxide; crystalline silica; fibers and dust.
Materials to avoid:	None known

## 11. Toxicological information

Ingredient	<u>AGGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Fiber glass Continuous Filament A4	No	No	No	
Silicone – Polysiloxane	No	No	No	No
Zinc Borate	No	No	No	No

AGGIH: A4 not classifiable as a human carcinogen

Fiber glass Continuous Filament: The International Agency for Research on Cancer (IARC) in June 1987, categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filament as a possible, probable or confirmed cancer causing material.

The ACGIH A4 classification, not classifiable as a human carcinogen, for respirable continuous filament glass fibers is based on inadequate data in terms of its carcinogenicity in humans and/or animals.

For respirable continuous filament glass fibers, a TLV – TWA of 1 fiber/cc with and ACGIH A4 classification was adopted for non respirable glass filament fiber, measured as inhalable dust, to

prevent mechanical irritation of the upper respiratory tract.

## 12. Ecological information

This material is not expected to cause harm to animals, plants or fish.

## 13. Disposal considerations

Disposal method:

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

## 14. Transport information

DOT shipping name:	Not known
DOT Hazard Class:	Not considered hazardous waste
DOT Label:	Not known
UN/NA Label:	Not known
Placards:	Not known
IATA:	Not known
IMO IMDG code:	Not known
European Class:	
RID (OCTf):	Not known
ADR (ECE):	Not known
RAR (IATA):	Not known

## 15. Regulatory information

WHMIS Hazard Class:	Not known
Harmonized Code:	5911.90

## 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.

**ADL Insulflex, Inc.**      A member of the ADL Group.

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