



HAZARD COMMUNICATION SAFETY DATA SHEET

Doc: 2016-12-15.001

1. Identification

Product Name:	Flexgard™ Sleeve
Synonyms or Product Family:	Abrasion Sleeve
CAS Number:	Poly(ethylene) Terephthalate 25038-59-9 Finishes
Recommended use:	Abrasion resistant protection of hoses and cables from heat and flame
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	Emits toxic fumes when heated.
Hazards not otherwise classified	None Known

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Poly(ethylene) Terephthalate	25038-59-9	91.5-99%
Water, absorbed	7732-18-5	0-4.5%
Finishes (various mixtures of lubricating oils, waxes, and surface action agents)		0-4%

Component Related Regulatory Information
Component Information/Information on Non-Hazardous Components

No additional information available.

4. First Aid Measures

Primary Route of Exposure:
Inhalation

Inhalation, skin, eye
Particles from this product may cause mechanical irritation of the skin.

Skin Contact
Eye Contact

None known.
Particles from this product may cause mechanical irritation of the eyes.

Description of necessary first aid measures:
Eye:

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

Skin:

Not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

Inhalation:

Not likely to be hazardous by inhalation. However, if exposed to fumes from overheating or combustion, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call physician if necessary.

Ingestion:

Not likely to be hazardous by ingestion.

5. Fire Fighting Measures

Suitable Extinguishing Media:

Water spray; carbon dioxide; dry chemical; foam.

Fire Fighting Procedures:

In a sustained fire, use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

None Known

Hazardous thermal decomposition products:

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. In a sustained fire, proper protection against products of combustion from the fuel and sizing/binder must be worn.

6. Accidental Release Measures

Material is a solid.

Vacuum or wet-sweep fibrous dust.

7. Handling and Storage

Precautions for handling and storage:

Keep away from open flames and heated surfaces above 200°C. Keep away from strong acids & oxidizing agents.

8. Exposure Controls / Personal Protection

Exposure Limits:

Component Name (CAS #)	OSHA PEL (8hr TWA)	ACGIH TLV (8hr TWA)
Poly(ethylene) Terephthalate - 25038-59-9	None established	None established

Engineering controls:	None known
Personal Protective Equipment (PPE):	None required.
Eye and Skin protection:	Safety glasses.
Respiratory protection:	Avoid breathing fibers or dust.
Ventilation:	Local exhaust not required. General mechanical is suggested. Individuals with respiratory conditions should wear a dust mask.

9. Physical and Chemical Properties

Physical State:	Solid
Colour:	Black standard (custom by special order)
Odour:	Slight
Odour Threshold:	Not Applicable
pH-value:	Not Applicable
Melting Point:	260 +/- 5°C
Freezing Point:	Not Applicable
Initial Boiling Point/ Boiling Range:	Not Applicable
Flash Point:	Not applicable, product will burn in a fire.
Evaporation Rate:	Not Applicable
Flammability (Solid, Gas):	Not Applicable
Vapour Pressure:	Not Applicable
Vapour Density:	Not Applicable
Relative Density:	Not Applicable
Solubility:	Insoluble
Auto-Ignition Temperature:	508°C
Decomposition Temperature:	Decomposition starts at 285°C
Viscosity:	Not Applicable

10. Stability and Reactivity

Reactivity:	Not Applicable
Chemical Stability:	This is a stable material.
Possibility of Hazardous Reactions:	Accumulation of fiber fly may present a fire hazard if concentrations are high enough. Remove ignition sources. Keep the effect of electrostatic charge in mind.
Conditions to Avoid:	Can react with strong acids, oxidizing agents.
Incompatible Materials:	Can react with strong acids, oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide. Low-molecular-weight organic compounds

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: None Known
Medical Conditions Aggravated by Exposure: None Known
Acute Toxicity Values: None Known

12. Ecological Information

Aquatic toxicity: Toxicity is expected to be low based on insolubility in water.

13. Disposal Considerations

Disposal method: Treatment, storage, transportation and disposal must be in accordance with applicable Federal/State/Provincial and local regulations. Polyester PET is not readily biodegradable. It contains no significant percentage of materials leachable in water.

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: Not known
Harmonized Code: 5806.32.10.00

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
PEL Permissible Exposure Limit
TWA Time Weighted Average
STEL Short Term Exposure Limit

SDS preparation date:

December 15, 2016