



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: ReflexWrap™ 1462 MSDS# BH-150	Manufacturer: Federal Mogul Corporation 26555 Northwestern Highway Southfield, MI 48033 24hr Emerg # (Infotrac): 1-800-535-5053 International: 001-352-323-3500 Non-Emerg #: 248-354-9844
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SECTION 2: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

ReflexWrap 1462 is a self-wrapping, reflective sleeve designed to provide thermal protection from radiant heat. Composed of a woven polyester base fabric and lamination of aluminum film, the product can withstand convective heat soaks up to 150°C and simultaneously protect critical components from radiant or reflected heat. The unique woven structure imparts a level of flexibility not found in other reflective products. It also allows the product to maintain a circular profile when flexed. The self-wrapping design of ReflexWrap 1462 allows for quick and easy installation while the addition of self-sealing adhesive reinforcement allows for permanent closure. The adhesive strip acts as a barrier to dirt and fluids while maintaining the full integrity of the finished aluminum sleeve. It is ideal for brake lines, fuel lines and cable assembly applications.

Although several of the ingredients used to formulate this product may be hazardous in the raw stat, the manufacturing process results in a solid, infusible form, binding and otherwise, rendering the mixture inert. We have identified all the constituents below present in quantities greater than 1% (0.1% for carcinogens) and may be released from the product by overheating, burning, machining, abrasion or riveting.

This information provides minimum criteria for safe usage and handling of this product. Companies using this product should develop their own occupational health program to protect employees from injury or adverse health effects.

Ingredient	CAS No.	% Weight	OSHA PEL	ACGIH TLV
Polyester Monofilament	NA	27	None Established	None Established
Aluminized Film	N/A	29	None Established	None Established
Polyester Multifilament	N/A	44	None Established	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Shipped material is not considered hazardous, but operations (overheating, burning, machining, abrading, or riveting) that can create airborne dust should be avoided. .

SECTION 3: HAZARDS IDENTIFICATION (CONTINUED)

POTENTIAL HEALTH EFFECTS

Inhalation: Dusts or vapors from heating can cause irritation.

Skin: May cause irritation.

Eye: Dust may cause irritation and redness.

Ingestion: Not a probable route of entry.

Carcinogenicity:

COMPONENT
NTP
IARC
OSHA

Polyester Monofilament

No
No
No

Aluminized Film

No
No
No

Polyester Multifilament

No
No
No

Symptoms and Effects of Exposure to Selected Individual Components

Exposure Hazards: None known

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. If irritation persists, seek medical attention.

Eye Contact: Rinse thoroughly with ample amounts of water. If irritation persists, seek medical attention.

Skin Contact: Rinse area with cool water. If irritation persists, seek medical attention.

Ingestion: Not a probable route of entry.

SECTION 5: FIRE FIGHTING MEASURES

This product is inherently flame resistant. Material is self-extinguishing.

Flashpoint: N/A **LEL:** N/A **UEL:** N/A **Autoignition Temperature:** N/A

Extinguishing Media: Use media suitable for surrounding fire.

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedure: Wear self-contained breathing apparatus when extinguishing. Hazardous decomposition products are generated in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Scrap monofilament may present a slipping hazard. Sweep up and dispose of according to all federal and state disposal procedures. If dust occurs during machining, abrading or riveting, remove dust by vacuuming or wet mopping. Do not use compressed air to blow dust from area.

SECTION 7: HANDLING AND STORAGE

If dust occurs while shipping product, remove dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust from storage containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Any operation which may produce dust, including machining, grinding, riveting, or abrading this product, should be adequately exhausted to prevent inhalation of dust.

Respiratory Protection: Use a NIOSH-approved respirator if there is a potential for exposure to dust, vapor, or fume exceeding PELs or TLVs. (See 29 CFR 1910.134, respiratory protection standard).

Skin Protection: If skin irritation occurs, gloves and other protective garments may be worn.

Eyes: Wear safety glasses or goggles, as necessary, if dust exposure is possible.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (as lead)

Boiling Point:	N/A	Vapor Pressure:	N/A
Melting Point:	>500°F	Vapor Density (air = 1):	N/A
pH:	N/A	% Volatile:	N/A
Specific Gravity:	2.2 g/cc	Evaporation Rate:	N/A
Water Solubility:	Insoluble	Form, Color, and Odor:	Solid, Aluminum, none

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable at normal temperatures and storage conditions.
Incompatibility (Materials/Conditions to Avoid):	Strong oxidizing agents.
Hazardous Polymerization:	Will not polymerize.
Decomposition Products:	Decomposition will start at temperatures above 250°C producing such by-products as carbon dioxide, carbon monoxide, hydrogen bromide, bromine, and nitrogen oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation:	Refer to Section 3
Skin:	Refer to Section 3
Eye:	Refer to Section 3
Ingestion:	Refer to Section 3
Acute:	None known
Chronic:	None known

SECTION 12: ECOLOGICAL INFORMATION

N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Federal and state law regulates disposal of scrap material or dust as solid waste; must be in accordance with federal and state law. Contact local regulatory agency for guidance.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name:	Not regulated
Hazard Class:	None
Identification Number:	None
Packing Group:	N/A
Shipping Label:	None
Additional Marking Requirement:	None

SECTION 15: REGULATORY INFORMATION

RCRA Hazardous Waste Code:	Not Available
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CERCLA Hazardous Substances: Not Available

OSHA: Not Available

WHMIS Classification: Not Available

SECTION 16: OTHER INFORMATION

Abbreviations:

CAS No.: Chemical Abstract Services Number
OSHA PEL: U.S. Occupational Safety and Health Administration Permissible Exposure Limits
ACGIH TLV: American Conference of Governmental Industrial Hygienists Threshold Limit Value (2004)
N/A: Not Applicable
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
NIOSH: National institute of Occupational Safety and Health
HEPA: High-efficiency particulate air

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