

# MATERIAL SAFETY DATA SHEET



E-Coat Screen  
Aluminum Insect Screen  
5154A Insect Screen

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Date Prepared: Jan. 2007  
MSDS No.: PI-ASC-003

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Aluminum Wire, Aluminum Insect Screening  
General Use: Insect Screening  
Product Description: Aluminum

### MANUFACTURE:

Phifer Incorporated  
PO Box 1700  
Tuscaloosa, AL 35403

### EMERGENCY TELEPHONE NUMBERS:

Technical help: (205) 345-2120 (24-hours)

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Consists of 5154A aluminum wire coated with a black or charcoal E-Coat coating.

| <i>Name</i> | <i>CAS#</i> | <i>Conc.</i> |
|-------------|-------------|--------------|
| Aluminum    | 7429-90-5   | 92-99%       |
| Magnesium   | 7439-95-4   | 0.2-5.6%     |
| Manganese   | 7439-96-5   | 0.05-1.4%    |
| Chromium    | 7440-47-3   | 0.04-0.35%   |
| Coating     | not estab.  | remainder    |

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## 3. HAZARDS IDENTIFICATION: N/A

### EMERGENCY OVERVIEW:

Aluminum Wire

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## POTENTIAL HEALTH EFFECTS

### INHALATION:

Solid aluminum does not present an inhalation hazard. Aluminum dusts generated during the use are considered nuisance particles.

### EYE CONTACT:

Aluminum dust can irritate the eyes (mechanical abrasion).

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**SKIN CONTACT:**

Skin contact with hot metal can cause burns.

**INGESTION:**

Consult physician.

**CHRONIC:**

None currently known.

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**4. FIRST AID MEASURES**

**INHALATION:**

In case of discomfort, remove to fresh air.

**EYE CONTACT:**

Flush eye thoroughly with flowing water (eye fountain).

**SKIN CONTACT:**

In case of burn with hot metal, rinse with plenty of cold water. If burn is severe, consult a physician.

**INGESTION:**

No emergency care anticipated. Get medical aid if necessary.

**CHRONIC:**

None currently known. Get medical aid if necessary.

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**5. FIRE FIGHTING MEASURES**

Not a fire hazard unless in particle form. In case of aluminum fires, use a Class D dry-powder extinguisher. Do not use water or halogenated extinguishing media.



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**GENERAL HAZARD:**

Suspensions of aluminum dust in air may pose a severe explosion hazard. A potential for explosion exists for a mixture of fine and coarse particles if at least 15% to 20% of the material is finer than 44 microns.

**FIRE FIGHTING INSTRUCTIONS:**

Use Class D dry-extinguisher. Do not use water or halogenated extinguishing media.

**FIRE FIGHTING EQUIPMENT:**

Respirator or air mask for enclosed areas.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

In the form of particles, aluminum reacts with halogenated acids, water and sodium hydroxide, producing hydrogen gas.

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**6. ACCIDENTAL RELEASE MEASURES**

Recycle.

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**7. HANDLING AND STORAGE**

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric.

**GENERAL:**

Keep material clean and dry.

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

General (mechanical) room ventilation is expected to be satisfactory

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**PERSONAL PROTECTION:**

Protective Gloves

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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Vapor Pressure: N/A  
Relative density (water = 1): 2.5-2.9  
Solubility in water: Negligible  
pH: N/A  
Boiling point: N/A  
Flash point: N/A  
Auto-ignition temp. : N/A

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**10. STABILITY AND REACTIVITY**

**GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION:**

In the form of particles, aluminum reacts with halogenated acids, water and sodium hydroxide, producing hydrogen gas.

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**11. TOXICOLOGICAL INFORMATION**

**Route of Exposure:** Inhalation (as dust)

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## 12. ECOLOGICAL INFORMATION

No data available.

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## 13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

As a non-hazardous waste, it should be disposed of in accordance with local, state and federal regulations or recycled if possible.

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## 14. TRANSPORT INFORMATION

DOT (Department of Transportation)  
PROPER SHIPPING NAME: Aluminum wire  
HAZARD CLASS: N.A.  
IDENTIFICATION NUMBER: N.A.

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## 15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act)

Components of this product are listed on the TSCA inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act)

NOT reportable

SARA TITLE III (Superfund Amendments and Reauthorization Act)

313/312 Hazard categories:

None.

313 Reportable Ingredients:

| <b>Chemical Name</b> | <b>CAS#</b> | <b>Conc.</b> |
|----------------------|-------------|--------------|
| Manganese            | 7439-96-5   | 0.2-5.6%     |
| Chromium             | 7440-47-3   | 0.04-0.35%   |

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**16. OTHER INFORMATION:** This MSDS is a compilation of information found in the Material Safety Data Sheets supplied by raw material suppliers.

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THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. PHIFER INCORPORATED BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MATERIAL SAFETY DATA SHEET IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT PHIFER INCORPORATED AT THE NUMBER LISTED BELOW TO MAKE CERTAIN THAT THIS SHEET IS CURRENT.

PHIFER INCORPORATED  
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TUSCALOOSA, AL 35403

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