

## 1. PRODUCT AND COMPANY IDENTIFICATION

Company

Southern Metal & Plastic Products  
3400 Treecourt Industrial Blvd  
St.Louis MO 63122

24 Hour Emergency Response Information  
(800) 222- 5116

**Trade Name:** ABS Formliner Sheet

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

CAS Number

9003-56-9

9003-54-7

100-42-5

107-13-1

Component

Acrylonitrile/ Butadiene/ Styrene

Styrene/ Acrylonitrile Copolymer

Acrylonitrile/ Butadiene/ Styrene Terpolymer

Residue Acrylonitrile Monomer

## 3. HAZARDS IDENTIFICATION

Emergency Overview

The ABS sheet is not expected to be an inhalation hazard under normal processing conditions. If material is processed under prolonged exposure to flame or high temperature, thermal burns to the skin may occur, and gases may be produced that are irritating to the respiratory system.

Primary Routes of Exposure

Routes of entry could include eye, skin, and inhalation, due to exposure to flame (molten plastic).

Acute Effects of Exposure due to High Temperature and Thermal Decomposition

At Thermal Decomposition small amounts of Styrene, Ethylbenzene and Acrylonitrile may be emitted. Exposure of high concentrations of these vapors and fumes could cause nausea, drowsiness, and headache.

Chronic Effects of Exposure to High Temperature and Thermal Decomposition

In October 1988, the National Institute for Occupational Safety and Health (NIOSH) found insufficient evidence to classify Styrene as a Carcinogen.

## 4. FIRST AID MEASURES

**Eyes:** If there is contact to the eyes with molten material, rinse with plenty of water and seek immediate medical attention. If fumes enter the eye, rinse with water for 15 minutes and seek immediate medical attention if irritation develops.

**Skin:** If skin has contact with molten, place affected area under cold running water. Seek medical

attention for removal of material from the affected area.

**Inhalation:** Remove affected individual to fresh air, seek medical attention if difficulties in breathing occurs.

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## 5. FIRE FIGHTING MEASURES

### **Suitable Extinguishing Media**

Dry extinguisher, water, carbon dioxide, foam

### **Protective Equipment for Fire-Fighting**

Firefighters should be equipped with self-contained breathing apparatus.

### **Hazardous Combustion Products**

During a fire, irritating and toxic gasses and aerosols may be generated by thermal decomposition and combustion.

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## 6. ACCIDENTAL RELEASE MEASURES

The ABS material in sheet form is not applicable for this section.

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## 7. HANDLING AND STORAGE

### **Handling**

Protect against flame and intense heat.

### **Storage**

Store in a well ventilated area, avoid extreme heat and any sources of ignition, or open flames.

### **Secondary Use/ Reprocessing**

When reprocessing material for secondary use, ground all handling equipment. Keep material and dust produced away from heat and flame. Use good housekeeping practices when reprocessing material.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Personal Protective Equipment**

#### **Respiratory Protection**

During processing, respiratory protection may not be necessary if ventilation is adequately provided. At excessive processing temperatures, breathing protection may be required.

#### **Hand Protection**

Gloves may be required when processing the sheet due to sharp edges and when plastic is in the molten state.

**Eye Protection**

Safety glasses with side- shields are recommended.

**General**

Avoid contact with molten material on the skin, eyes and clothing. Handle product in accordance with good industrial hygiene and safety practices.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State and Appearance**

Solid ABS Sheet

**Flashpoint**

730 deg. F- 752 deg F (388 deg C- 400 deg C)

**Autoignition Temperature**

923 deg. F- 950 deg. F (495 deg. C- 510 deg. C)

**Melting Point**

180 deg. F- 225deg. F (82deg. C- 107 deg. C)

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**10. STABILITY AND REACTIVITY**

**Stability and Reactivity**

This product in the finished state ( sheet) is stable.

**Incompatibility with various substances**

Reactive with strong oxidizing agents

**Decomposition Temperature**

Begins at approximately 500 deg. F (260 deg. C)

**Hazardous Decomposition Products**

Carbon Dioxide, Water, Carbon Monoxide, Hydrocarbons, Hydrogen cyanide and possibly some original monomers (styrene and acrylonitrile) are released as fumes and vapors when processing the sheet at high temperature and exposure to flame.

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**11. TOXICOLOGICAL INFORMATION**

**Chronic Effects on Humans**

No specific information is available, but no ecological hazard is suspected.

**Other Toxic Effects on Humans**

In plastic sheet form, not considered dangerous to humans

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**12. ECOLOGICAL INFORMATION**

No information is available but no ecological hazard is suspected.

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### 13. DISPOSAL CONSIDERATIONS

#### **Waste Information**

Transfer to an approved disposal area in accordance with federal, state and local regulations.

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### 14. TRANSPORT INFORMATION

#### **DOT Classification**

Not a DOT controlled or regulated material (U.S.A)

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### 15. REGULATORY INFORMATION

#### **OSHA Classification**

This product is hazardous under the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### **TSCA**

Components of this product are listed on the TSCA inventory.

#### **CERCLA**

This material is not subject to special reporting under the requirements of the Comprehensive Environment Response, Compensation and Liability Act.

#### **SARA Title III**

SECTION 302 Extremely Hazardous Substances.  
None reported

#### Section 311/312 Hazard Categories

Immediate Health Hazard; Delayed Health Hazard

#### RCRA Status

It is the responsibility of the product user to determine at the time of disposal of the material, if it should be classified as a hazardous waste. (40 CFR 261.2024)

#### **State Regulations**

No Proposition 65 chemicals present at level that would require a warning under the California Safe Drinking Water Toxic Enforcement Act.

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### 16. OTHER INFORMATION

#### **Hazardous Material Information System (U.S.A)**

<b>Health</b>	1
<b>Fire Hazard</b>	0

Southern Metal & Plastic Products.  
**MATERIAL SAFETY DATA SHEET**  
**PRODUCT or CHEMICAL NAME**  
**Last Update: 27 June 2007**

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**Reactivity** 0  
**Personal Protection** 0

ABS- Acrylonitrile/ Butadiene/ Styrene Terpolymer

Date Prepared: Feb. 18,2005

The information listed within this MSDS is solely designed for the finished processed sheet. The information listed is to the best of our knowledge, accurate and reliable. However, there is no warranty or guarantee that can be made to its accuracy, reliability or completeness. Primex will not accept liability for any loss or damage that may occur from the use of this information.

Prepared and Approved By: David Wolf  
Approval date: Feb. 18, 2005