



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** BOOM MAT SPEAKER BAFFLE  
**CHEMICAL NAME:** LOW DENSITY POLYETHYLENE  
**MANUFACTURER:** Design Engineering, Inc.  
604 Moore Rd. Avon Lake, Ohio 44012

**24 HOUR  
EMERGENCY CONTACT:** 440-930-7940

## 2. HAZARDOUS IDENTIFICATION

**HAZARDOUS CLASSIFICATION:** Non hazardous substance at temperature below the melting point as determined in issue number 9.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS no.	Weight %
Polyethylene	9002-88-4	>99
Additives	-	<1.0

## 4. FIRST AID MEASURES

### INHALATION

Remove to fresh air. If patient is not breathing or breathing irregular, provide artificial respiration or oxygen. Obtain medical attention by physician if symptoms persist.

### EYE CONTACT

Immediately flush eyes with plenty of water for several minutes. Be sure to remove any contact lens. Get medical attention if irritation persists.

### SKIN CONTACT

Wash skin with soap and water. Quickly remove contaminated cloth or shoes. Get medical attention if irritation persists.

### INGESTION

Do not induce vomiting. Consult a physician immediately.

### NOTES TO PHYSICIAN

No specific treatment. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Water haze, Chemical powder

**UNSUITABILITY EXTINGUISHING MEDIA:** None

**HAZARDS DECOMPOSITION PRODUCT (S):** Decomposition products may include carbon dioxide. Normally combustion forms water vapor and may produce carbon dioxide and other hydrocarbons. The products of the burning are dangerous

**SPECIAL PROTECTIVE EQUIPMENT:** Use personal protective equipment or self-contained breathing apparatus (SCBA) when fighting fires in enclosed areas or confined room.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Eliminate all sources of ignition in vicinity of spilled material. Wear appropriate personal protective equipment while cleaning up spills

### ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of split materials to natural waters, soil or sewers.

### METHODS FOR CLEANING UP

Sweep up or vacuum split materials and place in designated, labeled waste container. Contact licensed waste disposal contractor to dispose.

## 7. HANDLING AND STORAGE

### HANDLING

Use good housekeeping for safe handling of the product. No smoking, drinking or eating in handling and store area. Avoid spilling the product, as this may cause falls. Potential toxic / irritating fumes may be evolved from heated material. Provide appropriate ventilation for such processing conditions. Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules.

### STORAGE

Protect from direct heat and sunlight in a dry, cool and well ventilated area. Take precautionary measures to prevent the formation of static electricity. Do not store together with oxidizing and self-igniting products.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

No exposure limits value known.

### EXPOSURE CONTROLS

#### Respiratory Protection:

Product processing, heat sealing of film or operations involving the use of wires or blades heated above 300 °C may produce dust, vapor or fumes. To minimize risk of overexposure to dust, vapor or fumes it is recommended that a local exhaust system is in place above the equipment, and that the working area is properly ventilated. If ventilation is inadequate, use certified respirator that will protect against dust / mist.

#### Skin & body Protection:

Hot material: Wear heat-resistant protective gloves, clothing and face shield able to withstand the temperature of the molten product. Cold material: none required; however use of gloves is good industrial practice.

#### Respiratory Protection:

Hot material: Wear heat-resistant protective gloves, clothing and face shield able to withstand the temperature of the molten product. Cold material: none required; however use of gloves is good industrial practice.

#### Eye Protection:

Safety glasses with side shields. Use dust goggles if high dust concentration is generated.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Solid (Pellet Form)
<b>COLOR:</b>	Paraffin-like
<b>MELTING POINT:</b>	100 TO 120 °C
<b>BOILING POINT:</b>	Non allocated
<b>FLASH POINT:</b>	Not applicable
<b>VAPOR PRESSURE:</b>	Not applicable
<b>DENSITY:</b>	0.918 - 0.927 g/cm <sup>3</sup>
<b>AUTO-IGNITION:</b>	350 °C approx
<b>TEMPERATURE EXPLOSIVE PROPERTIES:</b>	High dust concentrations have a potential for sparking or explosion
<b>WATER SOLUBILITY:</b>	Negligible

## 10. STABILITY & REACTIVITY

<b>CHEMICAL STABILITY:</b>	Stability; under normal conditions of storage and use.
<b>CONDITIONS TO AVOID:</b>	Not applicable
<b>INCOMPATIBILITY MATERIALS:</b>	Incompatibility; avoid strong oxidizing agents such as chlorates, nitrates, peroxides, etc.
<b>HAZARDOUS COMPOSITION PRODUCTS:</b>	Will not occur; under normal conditions of storage and use.

## 11. TOXICOLOGICAL INFORMATION

### PRIMARY IRRITANT EFFECT:

<b>Skin:</b>	No irritant effect.
<b>Eyes:</b>	No irritant effect.
<b>Sensitization</b>	No sensitizing effect made

### ADDITIONAL TOXICOLOGICAL INFORMATION

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

### TOXICITY

The product is non-toxic, small particles can have physical effects on water and soil organisms.

### PERSISTENCE & DEGRADABILITY

This product is not biodegradable.

### OTHER ADVERSE EFFECTS

No known significant effects or critical hazards.

## 13. DISPOSABLE CONSIDERATIONS

### WASTE TREATMENT METHODS

Recycle to process, if possible. Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, and treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

## 14. TRANSPORTATION INFORMATION

### TRANSPORT / ADDITIONAL INFORMATION

According to national and international guidelines, which regulate the road, rail, air, sea transport, this product is classified as not dangerous.

## 15. REGULATION INFORMATION

### PACKAGING AND LABELING INVENTORIES

No special requirement  
Australian Inventory (AICS)  
Canada Inventory (DSL)  
China Inventory (IECS)  
EC Inventory (EINECS)  
Japan Inventory (ENCS)  
Korea Inventory (ECL)

## 16. OTHER INFORMATION

### HISTORY

**Date of issue:** January 2016

**Revision:** 1

**NOTICE:** This Safety Data Sheet has been based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We take no responsibility for inappropriate use, processing and handling by purchasers and users of the product.