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# Material Safety Data Sheet

5300 Series Mats

## Section I. Identification of the Product and of the Manufacturer

Identity: 5300 Series ESD Mat .08 Inch Thick. Dual Layer Rubber.  
Manufacturer: Elimstat.com  
Location: 1744 Thomas Paine Pkwy  
Dayton, Ohio 45459  
Contact: Phone: ( 937 ) 993 - 0300  
Fax: ( 937 ) 993 - 0307

## Section II. Health Data

First Aid Measures: The product is and article has no significant toxic hazard. Hazardous fumes can be produced by combustion or high temperature decomposition.

If Exposed to Fumes  
From Combustion



Skin Contact: Flush skin thoroughly with cool water for at least five minutes.  
Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 minutes, while forcibly holding eyelids apart to ensure complete irrigation of eye and lid tissue. Immediately contact medical emergency services.

Inhalation: If breathing is difficult administer oxygen. If respiration stops, give mouth-to-mouth resuscitation. Immediately contact medical emergency services.

Physician Note: This material is an article and has no significant toxic hazard. Hazardous fumes ( CO, CO<sub>2</sub> ) are produced by combustion and may be produced by decomposition at 450° F.

Effects of Over  
Exposure



Acute: This material decomposes at high temperatures, and can produce irritating toxic fumes.



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Chronic: No significant hazard.  
Route: Fumes from high temperature decomposition are toxic when inhaled and irritating to skin and mucous membranes.  
Toxicity: This material has no significant hazard.

## Section III. Fire and Explosion Hazard Data

Flash Point: Approximately 500° F  
Auto Ignition: Approximately 700° F  
Extinguishing Media: Carbon Dioxide, Dry Chemical , Water.  
Personal Protection: In case of fire, water can be used to extinguish flames. Use self-contained breathing apparatus and full protective equipment. All fires liberate toxic gases.

## Section IV. Ventilation

Respirator: None  
Gloves: None  
Eye Protection: None  
Other Equipment: None  
Outgas: Local exhaust in the vicinity of hot processing.

## Section V. Physical Data

Specific Gravity  
( H<sub>2</sub>O = 1 ): 1.05 - 1.50  
Percent Volatile: Nonvolatile  
Solubility in Water: Negligible  
Evaporation Rate  
( Butyl Acetate = 1 ): < 1  
Color: Top Anti Static ( Static Dissipative ) layer is available in Blue, Dark Blue, Gray, and Green rubber. Bottom layer is black.

## Section VI. Hazardous Ingredients

Significant Hazard: This material is an " article " under the definition of the OSHA Hazard Communications Standard ( CFR 1910.1200 ).



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## Section VII. Hazardous Ingredients

Byproducts: CO, CO<sub>2</sub> - This article can be forced to burn by continuous application of intense heat. The primary combustion products will be CO and CO<sub>2</sub>. Other gases will include small amounts of aromatic and aliphatic hydrocarbons, and oxides of nitrogen and sulfur. The major hazard is carbon monoxide, which can cause asphyxiation.

## Section VIII. Handling and Storage

Material Handling: Use applicable fire and safety code precautions for storing.

## Section IX. Environmental Protection

Waste Disposal: Submit for disposal in accordance with local, state, and federal regulations. Material is Lead-Free. RoHS Compliant.

## Section X. Regulatory Status

( RCRA )

Resource

Conservation and

Recovery Act ( USA ) : Not classified as a hazardous waste.

## Section XI. Additional Information

Cleaning: Always wear rubber gloves when cleaning exhaust equipment or other surfaces. Recommended to use Elimstat Mat Cleaner manufactured by Bennett & Bennett.  
DO NOT use silicone-based cleaners as this can create an insulation film on the top static dissipative layer.