



MATERIAL SAFETY DATA SHEET
for Powder Coated Steel Low Frequency Sound Absorbers

1. PRODUCT IDENTIFICATION

TRADE NAMES: (AS LABELED)	MODEX™ BROADBAND MODEX™ PLATE TYPE 1 MODEX™ PLATE TYPE 2
MANUFACTURER'S NAME:	RPG ACOUSTICAL SYSTEMS, LLC.
ADDRESS:	99 SOUTH ST. PASSAIC, NJ 07055
PHONE NUMBER:	(973)-916-1166
DATE PREPARED OR REVISED:	APRIL 18, 2017

2. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS #	PERCENT	AGENCY	EXPOSURE LIMITS
POLYESTER INFILL (Polyethylene terephthalate)	25038-59-9	< 1% by weight		None
STEEL				None
Iron (Fe)	7439-89-6	~80% by weight		
Manganese (Mn)	7439-96-5	~6% by weight		
Carbon (C)	7440-44-0	~1% by weight		
Molybdenum (MO)	7439-98-7	~1% by weight		
Trace Elements	Various	Ea 0.01-1% by weight		

3. HAZARD IDENTIFICATION

Overview: Modex products, as sold by RPG, do not present an inhalation, ingestion or skin hazard. However, individual customer processes, (such as welding, sawing, brazing,



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grinding, abrasive blasting, and machining) may result in the formation of fumes, dust (combustible or otherwise), and/or particulate formation that may present a variety of health hazards. Molten steel also is hazardous.

Ingestion: Not expected to be acutely toxic via ingestion based on the physical and chemical properties of the product. Swallowing of excessive amounts of the dust may cause irritation, nausea, and diarrhea.

Skin: Dusts or particulates may cause mechanical irritation due to abrasion. Coated steel may cause skin irritation in sensitive individuals (see Section 16 for additional information.) Some components in this product are capable of causing an allergic reaction, possibly resulting in burning, itching and skin eruptions. Contact with heated material may cause thermal burns.

Inhalation: Dusts may cause irritation of the nose, throat, and lungs. Excessive inhalation of metallic fumes and dusts may result in metal fume fever, an influenza-like illness. It is characterized by a sweet or metallic taste in the mouth, accompanied by dryness and irritation of the throat, cough, shortness of breath, pulmonary edema, general malaise, weakness, fatigue, muscle and joint pains, blurred vision, fever and chills. Typical symptoms last from 12 to 48 hours.

Eye: Dusts or particulates may cause mechanical irritation including pain, tearing, and redness. Scratching of the cornea can occur if eye is rubbed. Fumes may be irritating. Contact with the heated material may cause thermal burns.

Potential Fire and Explosion Hazards: Under normal conditions, steel products do not present fire or explosion hazards, and dust generated by handling steel products is oxidized and not combustible. Processing of steel product by some individual customers may produce potentially combustible dust that may represent a fire or explosion hazard.

Chronic or Special Toxic Effects: Repeated exposure to fine dusts may inflame the nasal mucosa and cause changes to the lung. In addition, a red-brown pigmentation of the eye and/or skin may occur. Welding fumes have been associated with adverse health effects. Contains components that may cause cancer or reproductive effects. The following components are listed by NTP, OSHA, or IARC as carcinogens: Nickel, chromium (hexavalent), cobalt, lead, cadmium, antimony (trioxide), arsenic, beryllium.

Target Organs: Overexposure to specific components of this product that are generated in dusts or fumes may cause adverse effects to the following organs or systems: eyes, skin, liver, kidney, central nervous system, cardiovascular system, respiratory system.

Medical Conditions (Aggravated by Exposure): Diseases of the skin such as eczema may be aggravated by exposure during processing activities. Also, disorders of the respiratory system including asthma, bronchitis, and emphysema may be aggravated.



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Long-term inhalation exposure to agents that cause pneumoconiosis (e.g. dust) may act synergistically with inhalation of oxide fumes or dusts of this product.

First Aid Measures:

Eye Contact- In case of overexposure to dusts or fumes, immediately flush eyes with plenty of water for at least 15 minutes occasionally lifting the eye lids. Get medical attention if irritation persists. Thermal burns should be treated as medical emergencies.

Skin Contact - In case of overexposure to dusts or particulates, wash with soap and plenty of water. Get medical attention if irritation develops or persists. If thermal burn occurs, flush area with cold water and get immediate medical attention.

Inhalation - In case of overexposure to dusts or fumes, remove to fresh air. Get immediate medical attention if symptoms described in this MSDS develop.

Ingestion - Not considered an ingestion hazard. However, if excessive amounts of dust or particulates are swallowed, treat symptomatically and supportively. Get medical attention.

Notes to Physician - Inhalation of metal fume or metal oxides may produce an acute febrile state, with cough, chills, weakness, and general malaise, nausea, vomiting, muscle cramps, and remarkable leukocytosis. Treatment is symptomatic, and condition is self limited in 24-48 hours. Chronic exposure to dusts may result in pneumoconiosis of mixed type.

Disposal: Dispose of panels in accordance with federal, state and local regulations. The primary method of disposal should be through a recycling program. An alternate method of disposal would be in an industrial landfill.