



Material Safety Data Sheet of MPPO

Revision Date : Nov. 12, 2002

1. IDENTIFICATION

Product Description : This material is electric dissipative compound of thermoplastic modified Polyphenylene oxide.

DOT Hazard Classification : Not regulated.

CAS Number : None

2. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name

Polyphenylene oxide (CAS # 25134-01-4)

High impact polystyrene (CAS # 9003-55-8)

Inorganic Filler

Carbon fiber (CAS # 7440-44-0)

Additive

Stabilizer agent

3. PHYSICAL / CHEMICAL PROPERTIES

- **Appearance** : Cylindrical Pellet
- **Specific Gravity** : 1.28
- **Change in physical state Ignition temperature** : 600 °C
- **Solubility in Water** : Insoluble
- **Odor** : negligible
- **Heat distortion temperature** : 180 °C

4. FIRE AND EXPLOSION HAZARD DATA

- **Stability** : Stable
- **Flash Point** : None
- **Fire Extinguish Media** : Water, Carbon Dioxide, Dry chemical or Foam
- **Auto ignition Temperature** : Not data
- **Special Fire Fighting Procedure** : Wear self-contained breathing apparatus and full protective gear
- **Hazardous Polymerization** : Will not occur
- **Material to Avoid** : None

5. EMERGENCY AND FIRST AID MEASURES

- **Skin Contact** : Wash material off the skin with plenty of soap and water
- **Eye Contact** : Immediately flush with plenty of water for at least 15 minutes.
- **Ingestion** : Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

6. PRECAUTIONS FOR SAFE HANDLING AND USE

- **Step to be taken in case material is released or spilling** : This product is pellet form and does not dissolve in water, therefore, no pollution caused by material release or spilling will be expected.
- **Waste Disposal Method** : Waste materials should be bagged or containerized, sealed and disposed of in an approved landfill in accordance with federal, state, and local regulations. waste form the product, as shipped, is not considered a hazardous waste under current RCRA regulation.
- **Precautions to be taken in handling and storing** : store indoors to avoid getting wet rain.

7. SPECIAL PROTECTION INFORMATION

- **Respiration Protection** : Unnecessary
- **Local Exhaust** : Recommended when appropriate to control employee exposure, especially at points where particulate generation may occur.
- **Protective Gloves** : Wear gloves when handling
- **Eye Protection** : Safety goggles if dust is present.
- **Other Protective Measures** : Wash work clothing frequently. Wash exposed skin areas before eating and at end of work day. Use good housekeeping practices to keep area free of dust.

8. TOXICOLOGICAL INFORMATION

- **Skin Corrosivity** : None
- **Irritation** : None
- **Acute Toxicity** : Not known
- **Sub-acute Toxicity** : Not known
- **Chronic Toxicity** : Not Known
- **Carcinogenic Effects** : IARC group 3(not classifiable as to its carcinogenicity to humans)
- **Mutagenic Effects** : Not known

9. SPECIAL PRECAUTION

As with all industrial products, selection of specific personal and engineering control depends upon the type of operation and exposure potential, To avoid ingestion incidental to handling, food and tobacco should not be present in the work area. Good personal hygiene should be followed after handling the product.

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