

Safety Data Sheet

EPM-2204U-W

Section 1: Identification

Product Identifier: EPM-2204U-W

Manufacturer: Mitsubishi Chemical Advanced Materials, Inc.

1705 N 48th St.

Mesa, AZ 85205

In case of an emergency, please call Chemtrec 1-800-424-9300.

Section 2: Hazard Identification

GHS – Classifications

Production is not hazardous.

Classification: None

Signal Word: None (Hazards do not reach threshold required for least severe category.)

Pictograms and Symbols: None (Hazards do not reach threshold required for least severe category.)

Hazard Statements: None

Precautionary Statements: None

Section 3: Composition/Information on Ingredients

| Chemical Name | CAS No. | Weight % |
|--------------------------------------|------------|-------------|
| Poly ether ether ketone (PEEK) | 29658-26-2 | Proprietary |
| Titanium dioxide (TiO ₂) | 13463-67-7 | Proprietary |

Section 4: First-Aid Measures

Eyes: Flush with plenty of water for at least 15-20 minutes. Seek medical attention if irritation continues.

Skin: Dust off material and wash with soap and water

Inhalation: If inhaled, remove to fresh air. Seek medical attention. Not expected to be a problem.

Ingestion: Rinse the victim's mouth with plenty of water. Do not induce vomiting. Seek medical attention. If swallowed, immediately call a poison center or doctor/physician.

Section 5: Fire-Fighting Measures

Suitable extinguishing media: Treat as a oil fire: Water spray, dry chemical, alcohol resistant foam or carbon dioxide

Flash Point: Does not flash

Typical hydrocarbon combustion products: Carbon monoxide and dioxide

Special protective equipment and precaution for fire fighters: Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Environmental precautions: No environmental hazards inherent in the product. Keep out of drains. Vacuum or scoop up solids for possible use or reclaim.

Dispose as nonhazardous waste.

Section 7: Handling and Storage

Precautions for Safe Handling:

Avoid contact with eyes. Avoid prolonged or repeated skin contact and breathing mists/vapors.

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Wear gloves for extended periods of contact.

Conditions for safe storage, including incompatibilities:

Standard safe storage conditions are appropriate: avoid package damage.

Section 8: Exposure Controls/Personal Protection

| Chemical Name | CAS Number | OSHA PEL |
|-----------------------------------|-------------------|--|
| Poly ether ether Ketone (PEEK) | 29658-26-2 | 15 mg/m ³ total dust 5 mg/m ³ Respirable dust |
| Titanium dioxide | 13463-67-7 | 10 mg/m ³ |

Personal Protective Equipment: Eyes/Face

- Avoid contact with eyes. Wear safety glasses with side shields or goggles.

Personal Protective Equipment: Skin

- None required

Personal Protective Equipment: Respiratory

- No requirement anticipated

Skin and Body Protection

- None required

Hygiene measures: wash hands and face before breaks and immediately after handling product. Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

| | |
|----------------------|--------------------------|
| Appearance and Order | White solid plate |
| Order Threshold | No information available |

| | |
|--|--------------------------|
| Specific Gravity (Relative Density) | No information available |
| Solubility in Water | No information available |
| VOC Content (%) | No information available |
| pH | No information available |
| Melting Point/Freezing Point | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| Evaporation Rate | No information available |
| Boiling Point | No information available |
| Flammability | Will burn if ignited |
| Explosion Data | No information available |
| Auto Ignition Point | Does not flash |
| Partition Coefficient: n-octanol/water | No information available |
| Decomposition Temperature | No information available |
| Viscosity | Hard solid |

Section 10: Stability and Reactivity

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: None known

Conditions to avoid: Temperatures above 250C may soften or fuse material

Materials to avoid: No common materials present a hazard.

Hazardous decomposition products: None are known. Also see Section 5.

Section 11: Toxicological Information

Acute Toxicity Estimate: Not Toxic

Test: PEEK

Oral Toxicity LD 50 (Rats): >15 g/kg

Dermal Toxicity LD 50 (Rabbit): No data

Inhalation Toxicity, Vapor: No data

Eye Irritation (Rabbit): No data

Dermal Irritation (Rabbit): No Data

Likely/possible routes of exposure: ingestion, skin and eye contact.

Skin: This product is not expected to be toxic by skin absorption.

Oral: This product is not expected to be toxic by skin ingestion.

Inhalation: This product is not expected to be toxic by skin inhalation.

May be harmful if swallowed and enters airways.

Irritation: This product is not expected to be irritating.

Sensitization: This product is not expected to be sensitizing.

Chronic toxicity: Not likely.

Carcinogenicity: No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

Summary Comments: Product offers little to no hazard.

Section 12: Ecological Information

Ecotoxicity: No data available

Persistence and degradability: This product is not expected to be inherently biodegradable.

Bioaccumulative Potential: There is no evidence to suggest bioaccumulation will occur.

Mobility in Soil: No data available

Results of PBT and vPvB assessment: No data available

Other Adverse Effects: No data available

Section 13: Disposal Considerations

Dispose of in accordance with federal, state and local regulations.

Section 14: Transportation Information

US Department of Transportation Classification (49CFR)

- Not classified as hazardous for transport.

Section 15: Regulatory Information

SARA Section 311 & 312: None

SARA Section 313: Not applicable

TSCA: Listed

Marine Pollutant: No

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California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

| Hazard Categories: | Health | Fire | Pressure | Reactivity | Reference |
|--------------------|--|------|----------|------------|--|
| Immediate | No | No | No | No | 49 CFR 171.8, OSHA 29 CFR 1910.100 and SARA 302/311/312/313 |
| Delayed | No | No | XXX | XXX | |
| HMIS Hazard Rating | Health: 0 Fire: 0 Instability: 0 Other B (goggles, gloves) | | | | |
| Hazard Ratings | Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4 | | | | |

In case of an emergency, please call Chemtrec 1-800-424-9300.

Disclaimer:

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