

Material Safety Data Sheet

Section 1: Chemical Product and company Identification

Product Name: Acktar Black Coated Foils

Coating codes: Metal Velvet, Spectral Black, Nano Black, MaxiBlack, Lambertian Black

CAS#: Not applicable

Contact Information: Acktar Ltd.19 Topaz st. Kiryat-Gat, Israel

Acktar Sales: 972-8-6814213 www.acktar.com

Section 2: Information on Ingredients

Acktar Black Coatings: All Acktar black coatings are completely inorganic. The coatings do not incorporate any organic materials or other chemicals, nor are any such materials used in the generation of the coatings. The coatings are composed of metals and metal oxides.

Foil: Aluminum foil, Stainless Steel, Polyimide and PET films

Adhesive: Standard adhesive – 3M 467

Manufacturers (3M) MSDS data for this product: "These products are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, the products should not present a health and safety hazard. However, use or processing of the products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards."

Low Outgassing Adhesive may be supplied separately.

Section 3: Hazards Identification

No special hazards

Inhalation: N/A

Ingestion: N/A

Section 4: First Aid Measures

None

Skin Contact: No first aid measures.

Eye Contact: Not expected to require first aid measures.

Section 5: Firefighting Measures

Fire: Not a fire hazard.

Explosion: Not an explosion hazard.

Fire Extinguishing Media: As required for extinguishing surrounding fire.

Special Information: None.

Section 6: Handling and Storage

According to Acktar Handling, cleaning and Storage Instructions for protection of the coating no special safety requirements.

Section 7: Accidental Release Measures

None - Coating adheres to foil

Section 8: Exposure Controls/ Personal Protection

None - Completely Bio-Compatible

Section 9: Physical and Chemical Properties

Appearance: Black coating.

Odor: Odorless.

Molecular Weight: N/A

PH: N/A

Weight of coating: 0.1-6.5 mg/cm²

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: N/A - Operating temp (-) 40°C to (+) 121°C.

Conditions of Instability: None

Incompatibility with various substances: Reactive with oxidizing agents, acids and alkaline materials.

Corrosiveness: Non-corrosive

Special Remarks on Reactivity: Reacts vigorously with sodium hydroxide. Incompatible with strong oxidizers, acids, acid chlorides and bases.

Polymerization: N/A

Section 11: Toxicological Information

No cytotoxic effects

Section 12: Ecological Information

Eco toxicity: The coatings do not incorporate any organic materials or other chemicals and no such materials are used in the generation of the coatings

Completely RoHS and REACH compliant.

Section 13: Disposal Consideration

Not regulated.

Waste Disposal: No special requirements to be disposed of according to local environmental regulations.

Section 14: Transport Information

Not regulated.

Section 15: Other Regulatory Information

None

Section 16: Other Information

Other Special Considerations: None
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