AMORPHOUS MATERIALS, INC.
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Protective Clothing: Rubber gloves or plastic face shields should be provided.

Eye Protection: Chemical workers goggles or plastic face shields should be used to provide eye protection from dusts, fumes, mists or flying particles should product break or fragment during processing.

Section 9 - Physical and Chemical Properties

Appearance: Dark colored, glassy solid

Odor: Odorless

Flammability: Non-flammable

Solubility: Insoluble in water and acids. Slightly soluble in strong alkaline solutions.

This product is compounded from toxic materials. Its final form is a dark, glassy material. The extreme chemical inertness of this glass prevents deterioration in hostile environments due to heat or chemicals. Separation of the glass back into the original elements or their oxides is only possible with high temperatures, special equipment and/or chemistry-based efforts. It does not normally occur in nature. The non-hazardous nature of this product has been echoed by OSHA and the U.S. Dept. of Transportation. An OSHA official specifically stated “. . . for example, 29CFR1910.1018 does not apply when light emitting diodes containing gallium arsenide conductors are assembled into calculators or watches. That is because only minimal gallium arsenide will rub off onto the hands or volatilize during the process.” Gallium arsenide is a similar product. Similarly, the Chief of the Office of Hazardous Materials Standards of the U.S. Department of Transportation advised in written correspondence that “Based on information available to this office, gallium arsenide does not meet the definition of any of the hazardous materials prescribed in the Hazardous Materials Regulations (HMR; 49CFR Parts 171-180). Therefore, this material is not a hazardous material and is not subject to the HMR.” The same applies to AMTIR-6 since it is a similar product.

Section 10 - Stability and Reactivity

Eye Protection: Non-reactive

Chemical Stability: Stable

Incompatible Materials: None

Chemical workers goggles or plastic face shields should be used to provide eye protection from dusts, fumes, mists or flying particles should product break or fragment during processing.

Section 11 - Toxicological Information

The base materials for this material are considered hazardous. However, the manufacturing process compounds the base materials into a hard, glassy (amorphously-inert) product. It will not decompose with handling or be absorbed into the skin, even at unusually high temperatures, atmospheric pressures or humidity’s. Thus, there is no hazardous exposure to processors or users of this material.

Section 12 - Ecological Information

This material does not decompose or deteriorate over its lifetime and will not present a chemical environmental hazard. Like any glass, it can break into sharp-edged pieces and should be disposed, accordingly, when necessary.

Section 13 - Disposal Considerations

Waste Disposal: Due to the probable value of scrap material, waste should be collected and returned to the vendor for salvage or reclamation, whenever possible. Non-salvageable or non-reclaimable waste material should be disposed according to applicable, local, state and federal regulations.

Section 14 - Transport Information

This material DOES NOT appear on the “List of Hazardous Materials,” promulgated by the U.S. Department of Transportation. Therefore, labeling and placarding is not required. (See Section-9, Physical and Chemical Properties, for more info.)
Section 15 - Regulatory Information

None applicable.

Section 16 - Other Information

Special Note: This Safety Data Sheet (SDS) is considered for all intents and purposes to be essentially similar to OSHA Form-174 (a non-mandatory MSDS format). It is submitted in lieu thereof.

This data is submitted gratuitously and independent of any sale of the product, to be used by you in any manner you deem fit, including verification for completeness and accuracy.

Notwithstanding, while believed to be correct, Amorphous Materials, Inc. makes no representation with respect to the completeness or accuracy, of the information contained, herein.

For additional information about this form and your rights, contact the U.S. Department of Labor, Occupational Safety and Health Administration.

www.osha.gov

(800) 321-OSHA (6742)

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