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Version: 1.2

1. Product Information

Product Name: Thermodime

Product Number: EM234

Specified Use: Thermal interface material

Packaging: Supplied in 1 ml syringe contained in outer protective plastic tube

Also available in 25 ml plastic containers

Manufacturer:

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2. Contents Information

Contains micron-size synthetic diamond mono-crystals
in organic-inorganic carrier fluid with surfactants.

Appearance: Milky white fluid.

3. Handling and Storage

(i) Handling

Keep syringe or container cap on at all times except when dispensing product.

Avoid breathing dust.

Avoid contact with skin, eyes and clothing.

(ii) Storage

Preferably store at room temperature in protective outer tube.

Storage temperature range: 5 °C to 50 °C (41 °F to 122 °F).

4. Special Hazard Identification

Material harmful if ingested in large quantities.

Material harmful if dust is inhaled.

Keep away from children.

Risk phrases:

R22 Harmful if swallowed.

5. First Aid Measures

(i) After Inhalation

If inhaled, remove the affected person to the outside into fresh air. Call a physician.

(ii) After Skin Contact

If substance comes into contact with skin, wash contact area with plenty of soap and water. Discard contaminated clothing.

(iii) After Eye Contact

If substance gets inside eyes, separate eye lids and flush eyes with plenty of water for at least 5 minutes. Call a physician.

(iv) After Ingestion

If substance is swallowed, wash out mouth with plenty of water. Call a physician.

6. Fire Fighting Measures

Thermodime is not flammable.

7. Accidental Release Measures

(i) Release Containment

If accidentally released in an un-intended way, wipe away with paper or cloth towels while wearing suitable gloves (either latex or nitrile). Dispose of the wipes in a sealed container.

(ii) Exposure Controls

Do not breath dried dust. Keep suitable gloves and wipes close by to deal with un-intended release events.

8. Chemical Stability and Reactivity

The active constituent in this product is stable at temperatures up to 1200 °C (2192 °F). At higher temperatures, in the presence of oxygen, diamond micro crystals can burn to produce carbon dioxide.

9. Toxicological Information

Non-toxic in small quantities (~100 mg). If swallowed, make the affected person drink plenty of water. Do not induce vomiting. No animal toxicological data are available.

10. Transport Considerations

This product is non-hazardous for transport considerations and doesn't require refrigeration during transport. It can be safely sent through normal postal channels.

11. Disposal Considerations

Dispose of this material in its original container. Dried paste must be carefully handled and enclosed in a suitable sealed container before disposal. Dispose in compliance with all local, county, state and federal regulations.

12. Product Disclaimer

Electrospell has specified this product solely for its intended application and bears no responsibility for accidents or damages arising from incorrect use of this product. No liability is also accepted for loss of materials and components on account of application mismatch; proper product qualification must be carried out before large scale use in product development or manufacturing.
