

**Material Safety Data Sheet (MSDS)****1. Material Description**

Material Name: Thermal Pad

Material Type: T-P-Dual

Other Names: Thermally Conductive Void Filler with Electrically Insulating Carrier

Supplier: DK-Daleba

Address: Orland House, Mead Lane, Hertford, Hertfordshire, SG13 7AT, UK

Tel: 01992 510000

2. Main Components and Properties

<u>Component / Chemical Name</u>	<u>Concentration (Percentage)</u>	<u>CAS Number</u>
1.Organic Siloxane Polymer	12-25%	63148-62-9
2.Thermal Conductive Ceramic Powder	73-78%	11092-32-3
3.Flame Retardant	3-5%	/

3. Hazard Identification

Health Hazards and Reactions: Tasteless, non-toxic, non-irritant to skin, silicon dioxide in the air may cause discomfort. This material is not harmful to humans or animals.

Environmental Impact: None

Physical and Chemical Hazards: None

Special Hazards: None

Cardinal Symptoms: None

Hazard Classification: None

4. First Aid Measures

First Aid Measures for Different Exposures:

Inhalation: None

Skin Contact: None

Eye Contact: Wash with warm water for 15 mins (Without contact lenses), remove any foreign body with cotton buds and then see a doctor immediately.

Ingestion: If consumed, see a doctor immediately

Important Symptoms and Hazardous Reactions: None

Suggestions to Doctors: None

5. Fire Fighting Measures

Suitable Extinguishing Method: Normal fire extinguisher (Powder, carbon dioxide or water)

Special Hazards in Fire: May produce carbon dioxide, avoid inhaling

Special Fire-fighting Procedures: Cut off ignition source and use fire extinguisher

Required Special Protective Equipment: Handle with a mask on

6. Accidental Leakage Measures

Notice for People: None

Notice for Environment: None

Cleaning method: If leaked, use kerosene/Petrol.

7. Handling and Storage

Handling: Keep in a cool, dry place, keep away from fire and direct sunlight.

Storage: Store in a cool, dry place, keep away from fire and direct sunlight.

8. Exposure Controls and Personal Protection

Personal Protection Equipment: No

Respiration: No

Hand: No

Eye: No

Skin / Body: No

Hygiene Measures: Daily Hygiene standards

9. Physical and Chemical Properties

Appearance: Sheet

Smell: Non-Irritant

Boiling Point: N/A

Melting Point: N/A

Flash Point: N/A

Blast Limit: N/A

Nature Temp: N/A

Decomposition Temp: >200 Degrees Centigrade

Specific Gravity (25°C): 2.3

10. Stability and Reactivity

Chemical Stability: Stable at normal Temperature

Special Status (Reactivity): None

Resolving Hazards: Carbon dioxide, carbonic oxide and silicon dioxide

Remarks: Keep away from fire

Avoiding Material: Acid-Bases

11. Poison

Poison: None

Heavy Poison: None

Sensitivity: None

Long-term Poison: None

12. Environmental Information

Environmental Affect:

- This material is decomposed to non-poison silicon dioxide/Sodium silicate and carbon dioxide when in contact with sunlight and goes into the air and ground.

13. Waste Handling Method

Waste Handling Methods:

- Thermal sheet can be recycled and decomposed, burnt in an incinerator or buried.
- Packing material can be recycled and re-used

14. Delivery Information

Regulated Delivery: By container with normal products: N/A

Special Delivery: N/A

Special Delivery Method: N/A

15. Law Information

None

16. Other

None