

T-GLOBAL TECHNOLOGY CO.,LTD

REFERENCE FORMAT FOR MATERIAL SAFETY DATA SHEET

1. Product and company information Product name: Phase Change Materials
Product code: PC99AL
Names, addresses, and phone numbers of the manufacturer or supplier: T-GLOBAL TECHNOLOGY CO., LTD No.33, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 330, Taiwan (R.O.C.)
Emergency contact phone numbers/fax numbers: +886-3-3618899/+886-3-3665666

2. Ingredients identification information

English name: PC99AL Phase Change Materials		
English name	Concentration or concentration ranges (% of contents)	CAS
Polyolefin Polymer	20~25%	25213-02-9
Aluminum oxide	70~75%	1344-28-1
Aluminum foil	5%	7429-90-5

3. Hazards identification information:	Adverse health effects: NO
	Environmental effects: NO
	Physical and chemical effects: NO
	Specific hazards: NO

Main symptoms: Without ingest, no specific symptoms

Hazard classification of the product: NO

4. First aid Measures:

The first-aid measures for different exposure routes:

- Inhalation: Remove victim to fresh air. If cough or other respiratory symptoms develop, get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- Skin contact: Wash material with copious amounts of soap and water. Do not use solvents to clean skin. If irritation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
- Eye contact: Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.
- Ingestion Rinse mouth with water. Give one or two glasses of water to drink. Never give anything by mouth to an unconscious or convulsing person. Call a physician immediately.

The most important symptoms and hazardous effects: Allergy

Protection of emergency personnel: Please let themselves and their patients in a safe place, and require patients clean body.

Physicians' instructions: No

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

<p>5. Fire-fighting measures: Suitable extinguishing media: Water fog , dry chemical, foam, CO2</p>	
<p>Specific hazards may be encountered during fire-fighting: NO</p>	
<p>Specific fire-fighting methods: The substance itself is not easy to spontaneous combustion, but must pay attention to other substances of special fire fighting procedures As for the leaked material and wastewater collection and treatment, can not pollute the environment.</p>	
<p>Special equipment for the protection of firefighters: NO</p>	
<p>6. Disclosure of treatment methods Personal precautions: Do not wear contact lenses. Environmental precautions: Leakage of material and contaminated material should focus on, can not pollute the environment. Clean-up methods: Please use the broom into a sealed bucket, and then wash the contaminated area into the sewage treatment pond.</p>	
<p>7. Safe disposal and storage methods Avoid eating. Have good personal hygiene habits. Kept clean in working environment.</p>	
<p>8. Exposure controls measures: Engineering control: No. Control parameters: Safety in normal Use Personal protective equipment: Respiratory protection: Dust mask Hand protection: Cotton gloves Eye Protection: Safety glasses Skin and body protection: Level C protective clothing, safety shoes</p>	
<p>9. Physical and chemical properties:</p>	<p>Physical state: Solid state</p>
<p>Color: Yellow</p>	<p>Odor: ——</p>
<p>PH value: Weak alkaline</p>	<p>Boiling point/boiling range: ——</p>
<p>Decomposition temperature: ——</p>	<p>Flashpoint : ——</p>
<p>Auto ignition temperature: ——</p>	<p>Explosion limits: ——</p>
<p>Vapor pressure: ——</p>	<p>Vapor density: ——</p>
<p>Density: 2.375 (25°C)</p>	<p>Solubility: Insoluble in water</p>
<p>10. Stability and reactivity: Stability: Stable Hazardous Reaction in Special Conditions: —— Avoid conditions: Immediately sealed without use Avoid materials: —— Hazardous Decomposition Products: ——</p>	

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<p>11. Toxicity data Acute toxicity: _____ Local effects: _____ Sensitization: Some sensitive skin. Chronic toxicity: _____ Specific effects: _____</p>	
<p>12. Ecological information: Possible environmental effects/environmental mobility: NO</p>	
<p>13. Waste disposal measures: According with local Waste Disposal Act</p>	
<p>14. Transport information: International regulations for transport: Not regulated</p>	
<p>United Nation number (UN No): None</p>	
<p>Domestic transport regulations: No</p>	
<p>Special shipping methods and precautions: No</p>	
<p>15. Regulatory information: Applicable regulations: Waste Disposal Act, Air Pollution Control Act, Labor Safety and Health Act, Water Pollution Control Act.</p>	
<p>16. Other information:</p>	
<p>Literature References</p>	
Organization	Name: T-GLOBAL TECHNOLOGY CO., LTD
That prepared the MSDS	Address/Telephone: No.33, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 330, Taiwan (R.O.C.) TEL:+886-3-3618899
Person who Prepared the MSDS	Title: Manager Name: Eric Hsu
Date the MSDS Was prepared	2013/09/12

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