

Material Safety Data Sheet

Date of MSDS: Oct. 17 2018


1. IDENTIFICATION OF THE PRODUCT

Identification of the Product	Thermal Dust® - Thermochromic Pigment (Black)
Company Identification	SolarColorDust.com LLC 621 Cypress Gardens Blvd Winter Haven, Florida 33880 863-949-4155

2. HAZARDS IDENTIFICATION

Classification of the substance and mixture
Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)

Label elements

Pictogram	
Signal word	Warning
Hazard statement(s)	Harmful if swallowed Causes skin irritation Causes serious eye irritation
Precautionary statement(s)	
Prevent	P261 Avoid breathing dust/fume/gas/mist/spray P2 4 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product P2 0 Wear protective gloves
Response	P301 + P312 If swallowed : call a poison center or physician if you feel unwell P302 + P352 If on skin : Wash with soap and water P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs : Get medical advice/attention P337 + P313 If eye irritation persists : Get medical advice/attention P362 Take off contaminated clothing and wash before reuse
Storage	P405 Store locked up
Disposal	P501 Dispose of contents/container to a licensed company
Supplemental hazard statement(s)	No data available

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation	CAS Number	EINECS Number	Cone.	
Polyoxymethylenemelamine	9003-08-1		19.0	27.2%
Styrene maleic anhydride monomethyl - maleate polymer	31959-78-1		5.8	7.2%
ODB- 9	89331-94-2		2.0	4.2%
Green DCF	34372-72-0		0.3	0.7%
Ethyl stearate	111-61-5		45.6	47.5%
Methyl palmitate	112-39-0		15.2	15.8%

4. EMERGENCY AND FIRST AID MEASURES

General advice	
- If Inhaled	Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing)
- On Skin Contact	Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).
- On Contact with Eyes	Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
- On Ingestion	If vomiting occurs, keep head lower than hips to help prevent aspiration.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Regular dry chemical, carbon dioxide, water, regular foam
Special exposure hazards	Slight fire hazard. Dust/air mixtures may ignite or explode.
Hazardous combustion products	Avoid inhalation of material or combustion by-products.
Protection against fire	Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	
Environmental precautions	
After spillage / leakage	Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.

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7. HANDLING AND STORAGE

Handling and Storage

Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

- Respiratory protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

- Skin protection

Wear appropriate chemical resistant clothing and gloves.

- Eye protection

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

- Ingestion

Industrial hygiene

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and physical state

Black Powder

Color

Black

Odour

Odourless

pH value

Not applicable

Moisture content (%)

< 1%

Specific gravity

Not applicable

Boiling point/range [°C]

Not applicable

Flash point [°C]

Not applicable

Auto ignition temperature

Not determined.

Explosive limit vol % in air

Not Expected.

Vapour Pressure

Not applicable

Solubility in water

Not soluble, dispersed in water.

Solubility in ethanol

Not soluble.

Self-ignition temperature

Not applicable

Explosion limits - upper [%]

No occupational exposure limits established

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

No data available

Possible of hazardous reactions

No data available

Condition to avoid

No data available

Incompatible materials

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Thermal decomposition products: oxides of carbon

Other decomposition products

No data available



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11. TOXICOLOGICAL INFORMATION

acute oral Toxicity(LD50) Rabbit	No data available
dermal LD50 [mg/kg] Rat	No data available
inhalation PO50 [mg/1/4h]	No data available
Dermal irritation (rabbit)	No data available
Mutagenicity	No data available
Reproductive effects	No data available

12. ECOLOGICAL INFORMATION

Fish Toxicity	No data available
Test Species	No data available
Test time	No data available
WGK (Water risk class)	No data available
Biodegradation [%]	No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose in accordance with all applicable regulations.
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14. TRANSPORT INFORMATION

UN Number	No data available
UN proper shipping name	No data available
Transport hazard class(es)	No data available
Packaging group	No data available
Environment hazards	No data available
Special precautions for user	No data available

15. REGULATORY INFORMATION

TSCA inventory status	No data available
TSCA 12(b) export notification	No data available

16. OTHER INFORMATION

Recommended uses and restrictions	None
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