

1. **IDENTIFICATION OF SUBSTANCE**

CHROMAZONE FREE FLOWING POWDER

Use: Colour Changing Powder

	UK	USA
Manufacturer / Supplier:	Thermographic Measurements Ltd Riverside Buildings, Dock Road, Connah's Quay, Flintshire, CH5 4DS	Thermographic Measurements 1820 Pickwick Lane Glenview, IL 60025
Telephone:	+44 (0) 1244 818348	+1 847 998 6460
Fax:	+44 (0) 1244 818502	+1 847 998 6866

2. **COMPOSITION / INFORMATION & INGREDIENTS**

Chemical description: Thermochromic pigment (various colours). Hazardous components:

3. **HAZARDS IDENTIFICATION**

Hazard symbols (components): None

4. **FIRST AID MEASURES**

INHALATION: Remove the affected person from the exposure and consult a Physician.

SKIN CONTACT: Wash immediately with soap and water, remove any contaminated clothing.

EYE CONTACT: Rinse with water for 10 minutes immediately. Consult physician if irritation persists.

INGESTION: Consult physician immediately.

5. **FIRE FIGHTING MEASURES**

QUALIFIED EXTINGUISHING MEDIA: Foam, dry chemical powder or CO₂

NOT QUALIFIED EXTINGUISHING MEDIA: Water jet.

FIRE / EXPLOSION: Emits toxic fumes containing CO_x when heated to decomposition.

FURTHER INFORMATION: Wear self contained breathing apparatus, fire and chemical resistant clothing.

6. **ACCIDENTAL RELEASE MEASURES**

Cover spills with vermiculite, pick up and keep in closed container for disposal. Wash area with soap and water.

7. **HANDLING & STORAGE**

STORAGE: Keep container tightly closed. Store in a cool conditions out of direct sunlight. Do not freeze.

HANDLING: Do not inhale dust and avoid skin contact. Use in a well ventilated area or preferably under local exhaust ventilation. When handling large quantities always wear protective equipment.

8. **EXPOSURE CONTROL / PERSONAL PROTECTION**

WORK HYGIENE: When handling product, do not eat, drink or smoke. Clean hands with water and soap. Take off all contaminated clothing.

RESPIRATORY PROTECTION: An approved respirator may be used.

PROTECTION OF HANDS: Suitable impervious gloves may be worn.

EYES: Chemical safety goggles may be worn.

OTHERS: Suitable work clothing,, may be worn.

9. **PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE:

Form: Powder
Colour: Depends on pigment

ODOUR:

No specific odour

pH:

N/A

BOILING POINT / RANGE:

N/A

MELTING POINT / RANGE:

N/A

FLASH POINT:

N/A

EXPLOSION LIMIT:

N/A

VAPOUR PRESSURE:

N/A

BULK DENSITY:

300 - 500 kg/m³

SPECIFIC GRAVITY:

N/A

SOLUBILITY IN WATER:

Dispersible in water or oil

VISCOSITY:

N/A

IGNITION TEMPERATURE:

N/A

10. **STABILITY & REACTIVITY**

THERMAL DECOMPOSITION:-

May occur with fire or excess heat.

HAZARDOUS REACTIONS:-

Keep away from strong acids, alkalis and oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS:-

CO_x

11. **TOXICOLOGICAL INFORMATION**

ORAL TOXICITY (LD 50):

n.d

DERMAL TOXICITY (LD 50):

n.d

INHALATION TOXICITY (LC 50):

n.d

Symptoms of exposure are unknown.

12. **ECOLOGICAL INFORMATION**

Take measures to minimise the effect on the ground water.

13. **DISPOSAL CONSIDERATIONS**

Dispose material in accordance with local regulations.

14. **TRANSPORT INFORMATION**

ADR/RID:
IMDG-Code:
ICAO/IATA-DGR:
UN-Nr:
MFAG:
EmS:

FURTHER INFORMATION:- No dangerous goods according to transport regulations.

15. **REGULATORY INFORMATION**

Labelling according to EU guidelines:

These products have been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Risk Phrases:- N/A

Safety Phrases:- N/A

Subject to in UK – Chemicals (Hazard Information Packaging for Supply).

16. **OTHER INFORMATION**

TSCA – All components are TSCA listed.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the produce for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet. If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Reason for issue:

- (a) Revision of data sheet format to meet requirements of EU Directives and UK Chemicals (Hazards, Information and Packaging) Regulations.
- (b) Revised June 2006 to add labelling information.

Prepared by: <u>CHRISTOPHER CHAPMAN - LABORATORY MANAGER</u>
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The information on this Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication. The company do not accept any liability for any loss, damage or injury resulting from its use (except as required by law).