



**EC - MATERIAL SAFETY DATA SHEET**  
**According to 91 / 155 / EEC**

**June 2004**

1. **IDENTIFICATION OF SUBSTANCE**

**KROMAGEN INK**

Use: Thermal Ink  
Manufacturer / Supplier: Thermographics Measurements Ltd  
Riverside Buildings, Dock Road, Connah's Quay  
Flintshire, CH5 4DS  
Telephone: +44 (0) 1244 818348  
Fax: +44 (0) 1244 818502

2. **COMPOSITION / INFORMATION & INGREDIENTS**

Each product listed has a fixed value within the ranges below. The exact formulation is confidential. Constituents classified as hazardous to health or with an exposure limit: (see section 11).

3. **HAZARDS IDENTIFICATION**

The product is an emulsion in a water medium and accordingly is classified as non hazardous for supply and carriage purposes. There is low hazard under normal use. Some eye and skin irritation is possible after prolonged contact.  
Propan-2-ol CAS 000067-117-00-0 <10%

4. **FIRST AID MEASURES**

**INHALATION:**

Symptoms: Irritation of respiratory systems and coughing.  
Action: Remove patient to fresh air away from fumes, avoid inhalation of fumes.

**INGESTION:**

Symptoms: Irritation of digestive tract.  
Action: Wash out mouth with water. Drink copious amounts of water. Seek medical attention.

**IF UNCONSCIOUS:**

Seek medical attention.

**SKIN CONTACT:**

Symptoms: Irritation and redness.  
Action: Wash with soap water.

**EYE CONTACT:**

Symptoms: Irritation and redness caused by liquid or vapour.  
Action: Wash eyes with plenty of water for at least 10 minutes. If irritation persists seek medical attention.

5. **FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Water, steam or CO<sub>2</sub>.

8/10/2006

1820 Pickwick Lane, Glenview Ill 60026

**DO NOT USE:** N/A.

**COMBUSTION HAZARDS:** Only flammable after water content has evaporated off.

**PROTECTIVE EQUIPMENT:** Use protective respiratory equipment.

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6. **ACCIDENTAL RELEASE MEASURES**

Low hazard. Recover where possible. Wash down area with water or a damp cloth. Dispose of according to local regulations.

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7. **HANDLING & STORAGE**

**HANDLING:** Do not inhale vapour mist and avoid skin contact. Use in a well ventilated area. Wash thoroughly after handling.

**STORAGE:** Store in a cool, well ventilated area out of direct sunlight. Keep containers tightly sealed.

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8. **EXPOSURE CONTROL / PERSONAL PROTECTION**

**VENTILATION:** Normal print-shop ventilation precautions are recommended.

**RESPIRATORY PROTECTION:** None is necessary in well ventilated areas.

**EYES / FACE:** Splash and vapour proof goggles should be worn.

**SKIN / BODY:** Suitable waterproof gloves should be worn. Contaminated personal protective equipment and clothing must be cleaned before re-use.

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9. **PHYSICAL & CHEMICAL PROPERTIES**

<b>APPEARANCE:</b> Viscous liquid with white colour.	<b>ODOUR:</b> Faint odour of acrylic polymers.	<b>pH:</b> 8.5 to 9.5
<b>BOILING POINT / RANGE:</b> 100°C / 212°F.	<b>MELTING POINT / RANGE:</b> N/A.	<b>FLASH POINT:</b> N/A.
<b>FLAMMABILITY: PROPERTIES:</b> Liquid phase not flammable. Dry residue/solid is flammable.	<b>AUTO FLAMMABILITY:</b> N/A.	<b>EXPLOSIVE</b>  N/A.
<b>OXIDISING PROPERTIES:</b> N/A	<b>RELATIVE DENSITY:</b> 1.0 / 1.2	<b>SOLUBILITY:</b> Miscible with water

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10. **STABILITY & REACTIVITY**

Avoid hot dry storage and contact with reactive chemicals. Carbon Dioxide, Carbon Monoxide and organic smoke are hazardous decomposition products. Dry residue is flammable.