



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

March 2005

1. **IDENTIFICATION OF SUBSTANCE**

IRREVERSIBLE TEMPERATURE INDICATING LABELS
29 TO 290°C / 84 TO 554°F

Use: Indicating Label
Manufacturer / Supplier: Thermographic 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). Various Organic Microcrystalline Waxes.

3. **HAZARDS IDENTIFICATION**

The temperature sensitive microcrystalline waxes are, to the best of our knowledge, or a low order of non-toxicity. In normal use there will be no skin contact with these waxes or any vapours given off. Temperatures in excess of 200°C may cause the release of oxides of carbon, nitrogen, sulphur and chlorine.

4. **FIRST AID MEASURES**

INHALATION:

Symptoms: N/A.
Action: N/A.

INGESTION:

Symptoms: Irritation of digestive system.
Action: Seek medical attention.

IF UNCONSCIOUS:

Lie on side of face, do not leave person alone, send for immediate medical assistance.

SKIN CONTACT:

Symptoms: Irritation of skin.
Action: Wash off with soap and water. Seek medical attention if irritation persists.

EYE CONTACT:

Symptoms: Irritation and redness.
Action: Wash eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

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5. **FIRE FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA: Water.
DO NOT USE: N/A.
COMBUSTION HAZARDS: Smoke and toxic fumes containing oxides of carbon, nitrogen, sulphur and chlorine.
PROTECTIVE EQUIPMENT: Wear self contained breathing apparatus.

6. **ACCIDENTAL RELEASE MEASURES**

N/A.

7. **HANDLING & STORAGE**

HANDLING: No special precautions required.
STORAGE: Store in a cool area out of direct sunlight.

8. **EXPOSURE CONTROL / PERSONAL PROTECTION**

VENTILATION: N/A.
RESPIRATORY PROTECTION: N/A.
EYES / FACE: N/A.
SKIN / BODY: N/A.

9. **PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE: Laminated strips.	ODOUR: N/A.	pH: Neutral.
BOILING POINT / RANGE: N/A.	MELTING POINT / RANGE: N/A.	FLASH POINT: N/A.
FLAMMABILITY: PROPERTIES: Flammable.	AUTO FLAMMABILITY: N/A.	EXPLOSIVE N/A.
OXIDISING PROPERTIES: N/A.	RELATIVE DENSITY: N/A.	SOLUBILITY: Insoluble in water.

10. **STABILITY & REACTIVITY**

All components are stable and non-reactive. Labels do not contain any heavy metals or inorganic pigments.

11. **TOXICOLOGICAL INFORMATION**

In normal use there will be no skin contact with these waxes or any vapours given off.

12. **ECOLOGICAL INFORMATION**

Information not available, this section will be upgraded as data becomes available. No constituent has yet been assigned a risk phrase pertaining to ecological effects (R50 to R59) or the symbol N.

13. **DISPOSAL CONSIDERATIONS**

May be disposed of as normal refuse.

7/20/2006

1820 Pickwick Lane, Glenview Ill 60026

14. **TRANSPORT INFORMATION**

No restrictions.

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

WEEE- (2002/96/EC) and RoHS directive (2002/95/EC) our products as per attached schedule are:

- Free of heavy metals (Cd, Cr (VI), Pb and Hg)
- Free of PBB
- Free of PBDE*

It should be noted that high temperature labels made using the yellow polyimide film do contain some Decabromodiphenyl Ether, which is exempt from the RoHS directive. This information is based on the suppliers declaration and actual amounts are not specified.

According to EC-directive (2003/11/EC) free of

- Pentabromodiphenyl ether
 - Octabromodiphenyl ether
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16. **OTHER INFORMATION**

This product is manufactured and supplied solely for use as temperature indicating labels and must be applied in accordance with technical instructions. 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 March 2004 to add labelling information.
- (c) Revised March 2005 to add regulatory information on WEEE and RoHS.

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).