



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

IRREVERSIBLE TEMPERATURE INDICATING LABELS

29 TO 290°C / 84 TO 554°F

2. COMPOSITION / INFORMATION & INGREDIENTS

Each product listed has a fixed value within the ranges below. The exact formulation is confidential. Constituent 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, of 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 will 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.

Issue No: 3
Date: 3 January 2004
Ref:

The Old Bakery, Ashley Gardens, Tunbridge Wells, Kent,
TN4 8TU, United Kingdom

Tel: +44 (0)1892 514444 • USA call tollfree to 1 877 412 4876 Fax: +44 (0)1892 514411
[Email: sales@temperature-indicators.co.uk](mailto:sales@temperature-indicators.co.uk)

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.

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6. **ACCIDENTAL RELEASE MEASURES**

N/A.

7. **HANDLING & STORAGE**

HANDLING:

Do not heat above 200°C / 392°F.

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:

Flammable

AUTO FLAMMABILITY:

N/A

EXPLOSIVE PROPERTIES:

N/A

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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**

Surplus, degraded or waste product and contaminated rags or containers must be sent for special waste disposal. Consult waste disposal contractor or local waste authority in country of use.

14. **TRANSPORT INFORMATION**

No restrictions.

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15. REGULATORY INFORMATION

Subject to EC Directives:-

88/379/EEC Dangerous Preparations Directive as amended.

91/155/EEC Safety Data Sheets Directive as amended.

Subject in the UK to:-

Chemicals (Hazard information and packaging) Regulations SI 1746.

Control of Substances Hazardous to Health Regulations SI 1657.

Control of Pollution (Special Waste) Regulations SI 1709.

Health and Safety Executive Publication EH40 Occupational Exposure Limits.

Supply Classification:-

Harmful. This classification is appropriate for each product listed in Section 1.

Risk Phrases:-

R22 Harmful if swallowed.

16. OTHER INFORMATION

This product is manufactured and supplied solely for use as 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.

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).

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