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1. **IDENTIFICATION OF SUBSTANCE**

**REVERSIBLE TEMPERATURE INDICATING LABELS**  
**(LIQUID CRYSTALS) -30 TO 90°C / -22 TO 194°F**

Use: Temperature Indicating Labels  
Manufacturer / Supplier: B&H Liquid Crystal Resources  
Riverside Buildings, Dock Road, Connah's Quay  
Flintshire, CH5 4DS  
Telephone: +44 (0) 1244 818348  
Fax: +44 (0) 1244 818502

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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 Microencapsulated Liquid Crystals  
Polyester Films and Acrylic Adhesives  
Printing Inks with Non-Toxic Pigments

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3. **HAZARDS IDENTIFICATION**

None under normal use.

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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: N/A.

Action: N/A.

**EYE CONTACT:**

Symptoms: N/A.

Action: N/A.

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5. **FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Water.

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

**COMBUSTION HAZARDS:** N/A.

**PROTECTIVE EQUIPMENT:** N/A.

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6. **ACCIDENTAL RELEASE MEASURES**

N/A.

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7. **HANDLING & STORAGE**

**HANDLING:** N/A

**STORAGE:** Store in a cool, dry place and keep in good condition.

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8. **EXPOSURE CONTROL / PERSONAL PROTECTION**

**VENTILATION:** N/A

**RESPIRATORY PROTECTION:** N/A

**EYES / FACE:** N/A

**SKIN / BODY:** N/A

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9. **PHYSICAL & CHEMICAL PROPERTIES**

**APPEARANCE:**  
Self adhesive labels with a faint acrylic, adhesive colour.

**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

**OXIDISING PROPERTIES:**  
N/A

**RELATIVE DENSITY:**  
N/A

**SOLUBILITY:**  
N/A

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10. **STABILITY & REACTIVITY**

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

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11. **TOXICOLOGICAL INFORMATION**

In normal use there will be no contact with any harmful components.

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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.

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13. **DISPOSAL CONSIDERATIONS**

May be disposed of as domestic refuse.

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14. **TRANSPORT INFORMATION**

No restrictions.

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15. **REGULATORY INFORMATION**

N/A

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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.

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).