
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Microencapsulated TLC Slurry in Water H315 H317 H319 H411

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Manufacture of temperature-indicating products and temperature-sensitive decorative effects., For professional use only.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: LCR Hallcrest
- Address of Manufacturer: Riverside
Buildings, Dock
Road, Connah's
Quay, Deeside,
Flintshire, CH5
4DS, Wales. U.K.
- Telephone: +44 (0) 1244 817107
- Email: Sales@lcrhallcrest.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Sens. 1, Skin Irrit. 2, Eye Irrit. 2,

Aquatic Chronic 2 2.2 Label elements



- Signal Word: Warning
- Hazard statements
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects.
- Precautionary statements
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.
If eye irritation persists: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

SECTION 2: Hazards identification (....)

- Contains: 4-Pentylphenyl 4-methoxybenzoate
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

- 4-Pentylphenyl 4-methoxybenzoate
CAS Number: 38444-13-2
EC Number: 253-932-7
Concentration: 10% - 25%
Categories: Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1
H Statements: H315 H317 H319 H410
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SECTION 4: First aid measures

4.1 Description of first aid measures

- Wash contaminated clothing before reuse.
- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
- Contact with skin
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Get medical advice/attention if you feel unwell.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes Causes severe irritation
- Contact with skin
Irritating to skin
May cause an allergic skin reaction.
- Ingestion
May cause gastro-intestinal disturbances
- Inhalation
May cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

- IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture - No information available

5.3 Advice for firefighters

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wash thoroughly after dealing with spillage
- Wear protective clothing as per section 8

6.2 Environmental precautions

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

- For disposal refer to section 13.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wash
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash contaminated clothing before reuse.
- Dispose of contents/container to hazardous waste

7.2 Conditions for safe storage, including any incompatibilities

- No special precautions are required for this product
- Keep container tightly closed

7.3 Specific end use(s)

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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SECTION 8: Exposure controls/personal protection



8.1 Control parameters

SECTION 8: Exposure controls/personal protection (....)

- No information available

8.2 Exposure controls

- Contaminated work clothing should not be allowed out of the workplace.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - The usual precautions for handling chemicals should be observed
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties -Appearance: Liquid

- pH - not known
- Melting point - not known
- Boiling point - not known
- Freezing point/Range: Not available
- Vapour density - not known
- Specific gravity - not known
- Fat solubility - not known
- Partition coefficient : n-Octanol/water - not known
- Viscosity - not known
- Water solubility - miscible

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended

purpose 10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special requirements

10.5 Incompatible materials

- No special requirements

10.6 Hazardous decomposition products

SECTION 10: Stability and reactivity (....)

- Under normal conditions of storage and use, hazardous decomposition products should not be produced.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: No data is available on this product.
 - Can cause skin irritation.
 - May cause sensitisation by skin contact.
 - Germ cell mutagenicity - No data is available on this product
 - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 - Reproductive Effects: No information available
 - STOT-single exposure: No data is available on this product.
 - STOT-repeated exposure: No data is available on this product.
 - Repeated or prolonged exposure :No data is available on this product.
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SECTION 12: Ecological information

12.1 Toxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- immiscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

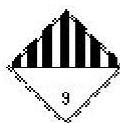
- May cause long-term adverse effects in the environment
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Dispose of contents/container to hazardous waste.
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SECTION 14: Transport information



14.1 UN number

- UN No.: 3082
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SECTION 14: Transport information (....)

14.2 Proper Shipping Name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, (PENTYLPHENYL METHOXYBENZOATE)

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine Pollutant

14.6 Special precautions for user

- No information available

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code - No information available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H410: Very toxic to aquatic life with long lasting effects.

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information only relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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