
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: Chameleon Sheet Fed Offset Ink

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.

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
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

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

2.2 Label elements

- Signal Word: Danger
- Hazard statements
 - Causes serious eye irritation.
 - May cause an allergic skin reaction.
 - May be fatal if swallowed and enters airways.
 - Toxic to aquatic life.
- Precautionary statements
 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF exposed or concerned: Get medical advice/attention.
 - Do NOT induce vomiting.

2.3 Other hazards

SECTION 2: Hazards identification (....)

- Contains: Rosin maleate polymer with pentaerythritol
Mixed hydrocarbons
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Mixed hydrocarbons
CAS Number:
EC Number: 920-360-0
Concentration: 10-20%
Categories: Asp. Tox. 1
H Statements: EUH 066 H304
 - Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]
CAS Number: 64742-46-7
EC Number: 265-148-2
Concentration: 3-7%
Categories:
H Statements: H350
Symbols: GHS08
 - Isotridecanol
CAS Number: 68526-86-3
EC Number: 271-235-6
Concentration: 3-7%
Categories: Aquatic Acute 1
H Statements: H400
 - Color developer
CAS Number: Proprietary
EC Number: Proprietary
Concentration: 3 - 5%
Categories: Skin Irrit. 2; Eye Irrit. 2; STOT SE 3
H Statements: H319, H315, H335
 - Rosin maleate polymer with pentaerythritol
CAS Number: 68333-69-7
EC Number: 614-421-8
Concentration: 3-7%
Categories: Eye Irrit. 2, Skin Sens. 1B
H Statements: H319
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SECTION 4: First aid measures

4.1 Description of first aid measures

SECTION 4: First aid measures (....)

- 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 or rash occurs: Get medical advice/attention.
- Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

- Causes serious eye irritation.
- Causes skin irritation.
- May cause an allergic skin reaction.
- May be fatal if swallowed and enters airways.

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.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

- Burning produces obnoxious and irritating fumes.

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

- Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.

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.

6.4 Reference to other sections

- For disposal refer to section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- 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

- Store at ambient temperature
- 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

- No information available

8.2 Exposure controls



- Appropriate engineering controls: Ensure adequate ventilation of work place
 - Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
 - Safety goggles with lateral shielding (DIN EN 166)
 - Skin Protection - Hand Protection: Chemical resistant gloves DIN EN 374-3
 - Wear suitable respiratory equipment when necessary. Use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Paste
- Odour: Characteristic odour
- Boiling point - not applicable
- Flash point - not applicable
- Evaporation rate - not known
- Water solubility: Immiscible with water
- Specific gravity - not known
- pH - not applicable

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

SECTION 10: Stability and 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
- Avoid contact with moisture
- 10.5 Incompatible materials
- No special requirements
- 10.6 Hazardous decomposition products
- Burning produces obnoxious and irritating fumes.
 - 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

- Isotridecanol
 - LD50 (oral, rat): <=2000mg/kg
 - LD50 (dermal, rabbit): 2000mg/kg
 - LC50 (inhalation, rat): 12.2mg/l
 - Mixed hydrocarbons
 - LD50 (oral, rat): >15000mg/kg
 - LD50 (dermal, rabbit): >2000mg/kg
- Acute toxicity
Acute toxicity may cause sensitisation by skin contact
- Skin corrosion/irritation
Can cause skin irritation.
- Serious eye damage/irritation
Causes serious eye irritation.
- Respiratory or skin sensitisation
May cause sensitisation by skin contact.
- Germ cell mutagenicity
No information available
- Carcinogenicity
No information available
- Reproductive toxicity
No information available
- STOT-single exposure
No information available
- STOT-repeated exposure
No information available
- Aspiration hazard
No information available

SECTION 11: Toxicological information (....)

Repeated or prolonged exposure
No information available

SECTION 12: Ecological information

12.1 Toxicity

- Mixed hydrocarbons
LC50 (fish): >1000mg/l 96 hr
Algae toxicity : ECr50 > 1000 mg/l
- Isotridecanol
LC50 (fish): 0.42 mg/l

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

- No information available
WKG 1 Slightly hazardous for water
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Absorb spillage in inert material and shovel up
 - Avoid release to the environment.
 - Observe all federal, state and local regulations when disposing of the substance.
 - Dispose of contents/container to hazardous waste
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

SECTION 14: Transport information (....)

- Packing Group: Not applicable
- 14.5 Environmental hazards
- Not Classified
- 14.6 Special precautions for user
- Not Classified
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Not Classified
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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2 Chemical safety assessment
- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H350: May cause cancer. H400: Very toxic to aquatic life.

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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