

SAFETY DATA SHEET

Thermochromic Water Based Textile Binder

Page 1 of 3

MSDS008 Revision 3
Revision Date 06/15/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Thermochromic Textile Binder
Additional Names None
Description Aqueous based ink binder
Intended Use Binder for thermochromics pigments and slurries.

Company LCR Hallcrest
 1911 Pickwick Lane
 Glenview
 IL 60026 USA

Web www.hallcrest.com
Telephone +1 847 998 8580
Fax +1 847 998 6866
Email sales@hallcrest.com

Emergency telephone number Chemtel Domestic: 800-255-3924
 Intl: +01-813-248-0585

2. HAZARDS IDENTIFICATION.

GHS Classification No significant hazard

GHS Label Elements

Pictograms No significant hazard
Signal Word No significant hazard
Hazard Statements No significant hazard
Precautionary Statement No significant hazard
Classification 1994/45/EC No significant hazard

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients	Classification	Conc.	CAS
None	N/A	N/A	N/A

4. FIRST AID MEASURES

Description of first aid measures

Skin contact Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact May cause irritation to the eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation May cause irritation to the mucous membranes. Move exposed person to fresh air.
Ingestion May cause irritation to the mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

Most important symptoms and effect, both acute or delayed.

Skin contact May cause irritation to skin.
Eye contact May cause irritation to eyes.
Inhalation May cause irritation to mucous membranes.
Ingestion May cause irritation to mucous membranes.

Indication of any immediate medical attention and special treatment needed.

Skin contact No Significant Hazard
Eye contact No Significant Hazard
Inhalation No Significant Hazard
Ingestion No Significant Hazard

5. FIRE FIGHTING MEASURES

Extinguishing Media Use extinguishing media appropriate to the surrounding fire conditions.

Specific hazards arising from the chemical Burning produces irritating, toxic and obnoxious fumes.

Special protective actions for fire-fighters Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures Ensure adequate ventilation of the working area.

Environmental Precautions Do not allow product to enter drains. Prevent further spillage if safe.

Methods and material for containment and cleaning up Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Individual protection measures Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Conditions for safe storage, including incompatibilities: Keep containers tightly closed. Store in correctly labelled containers. Store in a cool area but do not freeze.

Specific end use(s): Ensure adequate ventilation of the working area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Environmental Exposure Controls Ensure adequate ventilation of the working area.

Individual Protection Measures Wear protective clothing.

Eye/face protection In case of splashing wear: Approved safety goggles.

Skin protection – Hand Protection Chemical resistant gloves (PVC)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Paste
Colors Colorless
Odor Slight
Odor threshold N/A
pH 8.5 – 9.0
Melting Point/Freezing Point No testing available.
Initial Boiling Point and Boiling Range 100°C
Flash Point No testing available.
Evaporation rate No testing available.
Flammability No testing available.
Upper/Lower Flammability or Explosive Limits No testing available.
Vapor Pressure No testing available.
Solubility Miscible in water.
Relative Density 1.01

10. STABILITY AND REACTIVITY

Reactivity No Significant Hazards.
Chemical Stability Stable under normal conditions.
Possibility of hazardous reactions No Significant Hazard.
Conditions to avoid No Significant Hazard.
Incompatible materials No Significant Hazard.
Hazardous Decomposition Products Burning produces obnoxious and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Toxilogical Information
No Hazardous Components

Skin corrosion/irritation No test data available

Serious eye damage/irritation No test data available

Respiratory or skin sensitization No test data available

Germ cell mutagenicity No test data available
Carcinogenicity No test data available
Reproductive toxicity No test data available
STOT-single exposure No test data available
STOT-repeat exposure No test data available
Aspiration hazard No test data available

12. ECOLOGICAL INFORMATION

Persistence and degradability No data available
Bioaccumulative potential No data available
Mobility in soil No data available
Other adverse effects None
Additional Information No constituent has yet been assigned a risk phrase pertaining to ecological effects (R50 to R59) or the symbol N.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

UN Number This product is not classified as dangerous for carriage.
UN Proper Shipping Name This product is not classified as dangerous for carriage.
Transport Hazard class(es) This product is not classified as dangerous for carriage.
Packing Group (if applicable) This product is not classified as dangerous for carriage.
Environmental Hazards This product is not classified as dangerous for carriage.
Special Precautions for the User This product is not classified as dangerous for carriage.
DOT This product is not classified as dangerous for carriage.
IMDG This product is not classified as dangerous for carriage.
IATA This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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.

Further Information: For this product a chemical safety assessment was not carried out. All components are TSCA compliant.

16. OTHER INFORMATION

Revision Revision 3: Updated format and content to meet OSHA HazCom 2012 requirements

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling 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 relates only 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.

HMIS LABELLING HEALTH 0, FLAMMABILITY 0, PHYSICAL HAZARD 0.