

SAFETY DATA SHEET CHROMAZONE WB Flexo INK BIS A FREE

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Chromazone WB Flexo Ink Bis A Free		
Additional Names	None		
Description	Temperature Sensitive color change ink.		
Intended Use	Manufacture of temperature indicating devices		
 	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 Skin Sens. 1: H317 - May cause an allergic skin reaction.
Carcinogen 1B: H350 – May cause cancer.

**GHS Label Elements
Pictograms**



Signal Word Danger
Hazard Statements Skin Sens. 1: H317 - May cause an allergic skin reaction.
Carcinogen 1B: H350 – May cause cancer.

Precautionary Statement

P201 – Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281 – Use personal protective equipment as required.
P302+P352: IF ON SKIN: Wash with plenty of water
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor
P321: Specific treatment (see ... on this label)
P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients	Classification	Conc.	CAS
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Formaldehyde	Flam. Liq. 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Muta. 2; Carc. 1A; Quatic Acute 3; H227, H301+H311_H331, H314, H317, H318, H341, H350, H402	<0.5%	50-0-0
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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** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
- Inhalation** Move the exposed person to fresh air. Seek medical attention.
- Ingestion** Seek medical attention if irritation or symptoms persist. **DO NOT INDUCE VOMITING.**

Most important symptoms and effect, both acute or delayed.

- Skin contact** May cause sensitization by skin contact. Avoid contact with skin.
- Eye contact** Irritating to eyes.
- Inhalation** Irritant, moderate respiratory.
- Ingestion** Ingestion may cause nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

- Skin contact** May cause sensitization by skin contact.
- Eye contact** Irritating to eyes. Seek medical attention if irritation or symptoms persist.
- Inhalation** Coughing, difficulty in breathing.
- Ingestion** If you feel unwell, seek medical advice (show the label where possible). Ingestion may cause nausea and vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media Carbon Oxides

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. Wear suitable protective equipment.

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 in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

Further Information: Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Formaldehyde

WEL 15 min limit ppm: 2
WEL 8-hr limit mg/m3 total -
inhalable dust:
WEL 8-hr limit mg/m3 total -
respirable dust:

WEL 15 min limit mg/m3: 2.5
WEL 15 min limit mg/m3 total -
inhalable dust:
WEL 15 min limit mg/m3 total -
respirable dust:

Control Parameters

Individual Protection Measures

Individual protection measures Wear chemical protective clothing.

Eye/face protection Approved safety goggles

Skin protection – Hand protection Chemical resistant gloves (PVC).

Respiratory protection Wear:. Suitable respiratory equipment.

Environmental Exposure Controls Appropriate local exhaust ventilation is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colors	Various colors according to type
Odor	Characteristic
Odor threshold	N/A
pH	No testing available.
Melting Point/Freezing Point	Starts at 100°C
Initial Boiling Point and Boiling Range	No testing available.
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	No testing available.

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	No significant hazard
Conditions to avoid	Protect from frost.
Incompatible materials	Alkalis
Hazardous Decomposition Products	Formaldehyde may be generated and other harmful fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological Information		
Formaldehyde	Inhalation Rat LC50/2H h: 250 ppm Oral Mouse LD50: 500 mg/kg Dermal Rabbit LD50: 270 mg/kg	Oral Rat LD50: 500 mg/kg Inhalation Mouse LC50/2H h: 505 mg/m3

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
Likely routes to exposure

12. ECOLOGICAL INFORMATION

Toxicity	Formaldehyde	Daphnia 1 EC50 – 54mg/l
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil	No data available	
Other adverse effects	No data available	

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods	Absorb with inert, absorbent material.
General Information	Dispose of in compliance with all local and national regulations.
Disposal Methods	Do not empty into drains; dispose of this material and its container in a safe way.

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.
Further Information	

Further information

The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Formaldehyde...%	Y	Y	Y 0.1	Y	N	Y	Y	Y 500	Y 100

16. OTHER INFORMATION

Revision	Revision 4: 8/22/2016 – Corrected the title and description of the product.
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 1, FLAMMABILITY 0, PHYSICAL HAZARD 0 PESONAL PROTECTION: B.