



MATERIAL SAFETY DATA SHEET

(Revision: 07/01/2014)

1. Identification of the Substance/Preparation and of the Company/Undertaking.

- Product Type: Liner Paper
- Trade Name: **Ring Liner (Non-Asbestos, Cellulose)**

- Company: **Whip Mix Corporation**
361 Farmington Ave.
Louisville, Kentucky, USA 40217
Emergency Telephone Number: (502)-637-1451
Fax Number: (502) 634-4512

Transportation *CHEMTREC 1(800) 424-9300 (U.S. and Canada)*
Emergencies: *International Calls: 1- 703-527-3887 (Collect calls accepted)*

2. Hazard Identification.

- Beige paper, no distinct odor.
- No unusual hazards expected from normal use.
- May release trace amounts of formaldehyde under certain processing conditions.

3. Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS Number</u>	<u>Concentration, %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV, 2014</u>
Treated Paper	Mixed	99.8 – 100	None	None
Formaldehyde *	50-00-0	Less than 0.2	0.75 ppm, TWA 2 ppm, STEL	0.3 ppm, ceiling

* Formaldehyde is a by-product of the manufacturing process. It is normally crosslinked, but can be released during certain processing conditions

4. First-Aid Measures.

- Eye Contact: Flush with water for 15 minutes.
- Skin Contact: Wash off excess with water. Seek medical attention if redness, swelling itching, or burning occurs.
- Inhalation: Remove to fresh air. Seek medical attention if cough, shortness of breath or other respiratory problems occur.
- Ingestion: Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if gastrointestinal symptoms occur.

5. Fire-Fighting Measures.

- Flash Point: Not available
- Auto Ignition Temperature: Greater than 200°F (93.3°C)
- Extinguishing Media: Water, water fog, foam, carbon dioxide, dry chemicals
- Special Fire Fighting Procedures: No special procedures
- Fire & Explosion Hazard: No unusual hazards.

6. Accidental Release Measures.

- Clean up excess material & place in container for disposal. Comply with all federal, state and local regulations
- As per CERCLA (40 CFT 302 Table 302.4), environmental releases that exceed the reportable quantity (RQ) must be reported to the National Response Center by calling 1-800-424-8802 or 202-426-2675.
- Certain state and local Emergency Response Commissions also require reporting of environmental releases exceeding the RQ. Please report as appropriate.
- Contains formaldehyde. RQ = 100 lbs.

7. Handling and Storage.

- Store in cool dry areas between 40°F (5°C) and 100°F (37°C). Avoid sparks, flame and excessive heat.

8. Exposure Controls/Personal Protection.

- General room ventilation plus local exhaust at points of emission to reduce exposure to vapors during processing.
- Personal Protective Equipment:
 - Respiratory: Use a NIOSH/MSHA approved respiratory when exceeding exposure
 - Eyes/Face: Wear safety goggles
 - Gloves: Protective gloves are recommended as good industrial hygiene practice.

- Skin/Clothing: General body-covering clothing is recommended as good industrial hygiene practice.
- Other: Emergency eyewash and safety shower should be in close proximity.

9. Physical and Chemical Properties.

- Beige paper, no distinct odor.

10. Stability and Reactivity.

- Chemical Stability: Stable
- Hazardous Polymerization: Will not occur
- Reacts with: None Known

11. Toxicological Information.

- Oral LD (rat) - Greater than 5,000 mg/kg based on assessment of ingredients.
- Skin Irritation - Non-irritating on assessment of ingredients
- Eye Irritation – Non-irritating based on assessment of ingredients. Paper may be a mechanical irritant.
 - May release formaldehyde under certain processing conditions. Formaldehyde is a listed carcinogen per IARC (Group 2A), NTP, OSHA, ACGIH (A2), NIOSH, EPA, MAK (Germany). It is absorbed via the skin. Inhalation of even small concentrations will cause respiratory irritation and possibly burning, respiratory distress, mucous membrane irritation and lacrymation. Formaldehyde is a skin and lung sensitizer.
- Se 29 CFR 1910.1048 for additional workplace standards

12. Ecological Data.

- No data available

13. Disposal Considerations.

- Dispose of all waste material in accordance with all applicable federal, state and local regulations.

14. Transport Information.

- DOT Information: No regulated.

15. Regulatory Information.

- International: Canada: All components are either listed on or exempt from Canadian (DSL).
- Federal (USA): All components are either listed on or exempt from TSCA.
 - Contains the following substances reportable under SARA Title III:
 - Formaldehyde RQ = 100 lbs (See Sections 2 and 6)
- State: Formaldehyde is listed on various hazardous lists in the following states: California, Massachusetts, Michigan, Minnesota, New Jersey, Pennsylvania, Rhode Island, Wisconsin
- California Proposition 65: This product contains a component (formaldehyde) known to the state to cause cancer.

16. Other Information.

- ACGIH – American Conference of Governmental Industrial Hygienists
- C – Ceiling (concentration not to exceed during any part of the working exposure)
- DOT – Department of Transportation (US Government)
- EINECS – European Union Inventory of Existing Chemical Substances
- EPA – Environmental Protection Agency (US Government)
- IARC – International Agency for Research on Cancer
- NTP – National Toxicology Program (US Department of Health & Human Services)
- OSHA – Occupational Safety & Health Administration (US Government)
- PEL – Permissible Exposure Limit (as prescribed by OSHA)
- RCRA – Resource Conservation & Recovery Act (US EPA)
- SARA – Superfund Amendment & Reauthorization Act, Title III (US EPA)
- STEL – Short Term Exposure Limit (15 Minutes)
- TLV – Threshold Limit Value (as prescribed by ACGIH)
- TSCA – Toxic Substances Control Act (US EPA)
- TWA – Time Weighted Average (8 Hours)

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Translated By:

Date: 7/1/2014

Date: