

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product and Company Identification

PRODUCT NAME: LAMINATE SHEET

MANUFACTURER:

ISSUE DATE: May 10, 2007

REVISION : Original

REPLACES: None

PREPARED BY :

CHEMICAL NAME: Treated Paper

CHEMICAL FORMULA: Mixture in cellulose

PRODUCT USE: Wood Laminate

## 2. Composition/Information on Ingredients

<u>Component Name</u>	<u>CAS Number</u>	<u>% by wt</u>	<u>OSHA PEL</u>	<u>ACGIH TLV (2000)</u>
Treated Paper	mixed	99.9 - 100	none	none
Formaldehyde*	50-00-0	Less than 0.0003	0.75 ppm, TWA 2 ppm, STEL	0.3 ppm, ceiling 0.37 mg/m <sup>3</sup> , ceiling

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

## 3. Hazards Identification

### EMERGENCY OVERVIEW

- \* Paper, no distinct odor. May release formaldehyde under certain processing conditions
- \* No unusual hazards expected from normal use.

ACUTE: Inhalation of formaldehyde may cause irritation or burning of lungs, eyes and nasal passages. Contact with formaldehyde may cause skin irritation.

CHRONIC: Formaldehyde is a known carcinogen per IARC, NTP and OSHA. It is also a known skin and lung sensitizer. Formaldehyde is readily absorbed via the skin.

ROUTES OF EXPOSURE: Ingestion, skin contact

CARCINOGENICITY: May contain formaldehyde, which is a carcinogen listed by IARC, NTP and OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

## 4. First Aid Measures

EYES: Flush eyes with plenty of water for at least 15 minutes. Paper may be a mechanical irritant. Seek advice of medical personnel if redness, swelling, itching, burning or visual disturbances occur.



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## 9. Physical and Chemical Properties

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APPEARANCE AND ODOR: Paper, no distinct odor.  
BOILING POINT: Not Applicable  
MELTING POINT: Not Applicable  
SPECIFIC GRAVITY: Not Applicable  
VAPOR PRESSURE: Not Applicable  
VAPOR DENSITY: Not Applicable  
SOLUBILITY IN WATER: Insoluble  
VOLATILE (VOC) CONTENT: Not applicable  
EVAPORATION RATE: Not Applicable  
pH: Not Applicable

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## 10. Stability and Reactivity

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CHEMICAL STABILITY:  STABLE  UNSTABLE  
HAZARDOUS POLYMERIZATION:  OCCURS  WILL NOT OCCUR  
REACTS WITH: None known

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## 11. Toxicological Information

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Oral LD<sub>50</sub> (rat) = Greater than 5000 mg/kg based on assessment of ingredients.  
Skin irritation = Non-irritating based 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 readily 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.  
See 29 CFR 1910.1048 for additional workplace standards.

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## 12. Ecological Information

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No data available

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## 13. Disposal Considerations

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

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## 14. Transport Information

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DOT INFORMATION: Not Regulated

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## 15. Regulatory Information

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### INTERNATIONAL:

CANADA: All components are either listed on or exempted from Canadian (DSL).

### FEDERAL (USA):

All components are either listed on or exempted 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 substance 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.

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## 16. Other Information

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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 and Human Services)

OSHA = Occupational Safety and Health Administration (US government)

PEL = Permissible Exposure Limit (as prescribed by OSHA)

RCRA = Resource Conservation and Recovery Act (US EPA)

SARA = Superfund Amendment and 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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