

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Kitchen and Bathroom Cabinets

Other means of identification:

Synonyms: None.

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: This product is manufactured of wood products such as plywood, hardboard or engineered panels that are then coated with decorative foils, sealers and a final water repellent top finish. No harmful chemical residue is left on the surface of the completed article.

Chemical manufacturer address and telephone number:

Manufacturer Name: Masco Cabinetry
Address: 4600 Arrowhead Drive
Ann Arbor, Michigan 48105

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not applicable.
GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200
Hazard Statements: Not applicable.
Precautionary Statements: Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

Emergency Overview: Sawing, sanding or machining products containing wood can produce wood dust, which can cause a flammable or explosive hazard.

Route of Exposure: Eye contact
Skin contact
Inhalation
Ingestion.

Potential Health Effects:

Eye: Eye contact with dust may cause short term mechanical irritation.

Skin: Dust produced by cutting or drilling this product may cause itching and short term irritation. Prolonged or repeated contact with dust may cause an allergic skin reaction.

Inhalation: Dust produced by cutting or drilling of this product may cause irritation of the nose, throat, and respiratory tract. Exposure to formaldehyde at concentrations in excess of 1 ppm may cause significant irritation of the upper respiratory tract.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Chronic Health Effects: Prolonged exposures to wood dust may cause nasal cancer. Frequent or prolonged exposure to formaldehyde can cause hypersensitivity leading to contact dermatitis.

Carcinogenicity: This product contains a component which is listed by IARC, OSHA or NTP. See Section 11 for additional information.

Potential Environmental Effects: There is no known ecological information for this material.

Aggravation of Pre-Existing Conditions: Chronic respiratory or skin conditions may temporarily worsen from exposure to dust produced by drilling and cutting of this product.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Wood and wood particles	Not Available	80 - 98 by weight	
Formaldehyde	50-00-0	< 0.1 - 0.1 by weight	200-001-8

Non-Hazardous Statement: Kitchen and bathroom cabinets are manufactured articles and are not considered hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200. Wood dust, a product generated from sawing, sanding or machining wood and wood products, may be hazardous.

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	If dust from cutting or drilling gets into eyes, immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	If dust from cutting or drilling gets onto the skin, wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If dust from cutting or drilling is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
Ingestion:	Ingestion of this product is unlikely. If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Provide general supportive measures and treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: dry chemical
foam.
carbon dioxide (CO₂).
water fog

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: Carbon monoxide.
Carbon dioxide.
Ammonia.
Other undetermined compounds could be released in small quantities.

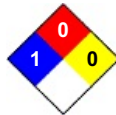
Unusual Fire Hazards: Hydrogen chloride to be released from the PVC barrier and vinyl facings during a fire.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.

NFPA Ratings:

NFPA Health: 1
NFPA Flammability: 0
NFPA Reactivity: 0



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Avoid breathing dust or particulates. Avoid dust and particulates contact with eyes and skin.

Methods and materials for containment and cleaning up:

Methods for containment: Dust from cutting or drilling of the product will settle out of the air. Prevent dust from spreading by covering, diking or other means.

Methods for cleanup: Use an industrial vacuum cleaner with a high efficiency filter to clean up dust contamination. Avoid dry sweeping. Pick up and transfer dust to properly labeled containers.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Avoid dust formation when cutting or drilling the product. Do not breathe dust. Wear personal protective equipment.

Hygiene Practices: Follow good industrial hygiene practices when handling this product.

Conditions for safe storage, including any incompatibilities:

Storage: This product should not be stored where exposure to water could occur or near a source of ignition. Avoid storing in areas of high relative humidity and temperature. If storage in areas of high relative humidity and temperature is unavoidable, use adequate ventilation to reduce the risk of localized development of formaldehyde vapors.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Ontario Canada	Mexico
Wood dust	PEL-TWA: 5 mg/m ³ Respirable fraction (R) PEL-TWA: 15 mg/m ³ total dust as Particulates Not Otherwise Classified	REL-TWA: 1 mg/m ³ Wood dusts NOS	TLV-TWA: 1 mg/m ³ Wood dusts - All species, excluding Western red cedar	Not Established	TWA: 5 mg/m ³ Soft Timber TWA: 1 mg/m ³ Hard Timber
Formaldehyde	PEL-TWA: 0.75 ppm PEL-STEL: 2 ppm	REL-TWA: 0.016 ppm REL-Ceiling/Peak: 0.1 ppm	TLV-Ceiling/Peak: 0.3 ppm	TWAEV-CEV: 0.3 ppm	LMPE-Ceiling/Peak: 2 ppm

Appropriate engineering controls:

Engineering Controls: Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.

Individual protection measures:

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Description: Protective gloves. Long sleeved shirt and long pants.

Respiratory Protection: When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended. Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State Appearance: Solid.

Color: Slightly brown or tan.

Odor: Wood odor.

Boiling Point: No Data

Melting Point: No Data

Specific Gravity: No Data

Solubility: Insoluble. in water.

Vapor Density: No Data

Vapor Pressure: No Data

Evaporation Rate: No Data

pH: No Data

Viscosity: Not applicable.

Flash Point: None.

Flash Point Method: None.

Lower Flammable/Explosive Limit: Not applicable.

Upper Flammable/Explosive Limit: Not applicable.

Auto Ignition Temperature: Not applicable.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable under normal conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions To Avoid:

Conditions to Avoid: None expected.

Incompatible Materials:

Incompatible Materials: No materials to be particularly mentioned.

Hazardous Decomposition Products:

Special Decomposition Products: See Section 5 of MSDS for hazardous decomposition products during a fire.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Dust from cutting or drilling this product may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures to dust may cause difficulty breathing, congestion, and chest tightness.

Carcinogens:							
	ACGIH	NIOSH	OSHA	IARC	NTP		MEXICO
Wood dust	A1 - Beech & oak A2 - Birch, mahogany, teak, walnut	Listed	Not listed	Group 1 - Carcinogenic to humans.	K - Known to be a human carcinogen.		A1 - Hard timber species
Formaldehyde	A2 - Suspected Human Carcinogen	NIOSH carcinogen	OSHA: Designated carcinogen	Group 1 - Carcinogenic to humans.	RAC - Reasonably anticipated to be a human carcinogen.		A2 - Suspected Human Carcinogen

Wood and wood particles :

Inhalation: Inhalation - Rat TCLO: 1683.5 mg/kg/13W (Intermittent) - [Lungs, Thorax, or Respiration - Consolidation; Lungs, Thorax, or Respiration - Fibrosis (interstitial)](RTECS)

Chronic Effects: OSHA hazard rating for oral ingestion is moderately toxic for both softwood and hardwood. The OSHA suggested oral lethal dose is 0.5 to 5 g/kg or about 1 pound (dry) for a 150 pound person. Activities which could generate wood dust (sawing, drilling, grinding, sanding, machining, etc.) should be avoided and or dust control methods employed. If wood dust is generated, steps should be taken to reduce exposure. Good Industrial Hygiene procedures should be implemented.

Formaldehyde :

Eye: Eye - Rabbit Standard Draize test. : 750 ug - [severe](RTECS)

Skin: Skin - Rabbit; Standard Draize test. : 2 mg/24H; severe. (RTECS)
Skin - Rabbit; LD50 : 270 mg/Kg; Details of toxic effects not reported other than lethal dose value. (RTECS)

Inhalation: Inhalation - Rat LC50: 250 ppm/2H - [Behavioral - Tetany Behavioral - Coma Lungs, Thorax, or Respiration - Acute pulmonary edema]
Inhalation - Rat LC50: 203 mg/m3 [Peripheral Nerve and Sensation - Spastic paralysis with or without sensory change; Behavioral - Convulsions or effect on seizure threshold; Behavioral - Excitement]
Inhalation - Mouse LC50: 454 mg/m3/4H - [Details of toxic effects not reported other than lethal dose value] (RTECS)
Inhalation - Mouse LC50: 505 mg/m3/2H - [Behavioral - Tetany Behavioral - Coma Lungs, Thorax, or Respiration - Acute pulmonary edema] (RTECS)

Ingestion: Ingestion - Rat LD50: 100 mg/kg [Details of toxic effects not reported other than lethal dose value]
Ingestion - Mouse LD50: 42 mg/kg [Behavioral - Somnolence (general depressed activity); Behavioral - Convulsions or effect on seizure threshold; Behavioral - Excitement]
Ingestion - Mouse LD50: 385 mg/kg [Details of toxic effects not reported other than lethal dose value]
Ingestion - Mouse LD50: 500 mg/kg [Behavioral - Tremor; Liver - Other changes; Kidney/Ureter/Bladder - Other changes]
Ingestion - Rat LD50: 500 mg/kg [Behavioral - Tremor; Liver - Other changes; Kidney/Ureter/Bladder - Other changes](RTECS)

Chronic Effects: OSHA hazard rating for systemic acute and chronic exposures is highly toxic. Concentrated formaldehyde when exposed to the intact skin causes irritation. Some exposure panels exposed to concentrations of approximately 0.3 ppm have failed to produce irritation. Odor threshold for some data sources indicate an odor threshold of 0.3 ppm.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: This material is not expected to cause harm to animals, plants or fish.

Persistence and degradability:

Biodegradation: Not available.

Bioaccumulative potential:

Bioaccumulation: Not available.

Mobility in soil:

Mobility In Environmental Media: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations.

RCRA Number: No EPA Waste Numbers are applicable for this product's components.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.

DOT Pictograms:



IATA Shipping Name: Not Regulated.

IATA Pictograms:



Canadian Shipping Name: Not regulated as hazardous material for transportation.

IMDG Shipping Name : Not Regulated.

ADR Shipping Name : Not Regulated.

RID Shipping Name : Not Regulated.

ICAO Shipping Name: Not Regulated.

MEX Shipping Name : Not Regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Inventory Status

Table with 6 columns: Material, EINECS Number, Canada DSL, TSCA Inventory Status, and two empty columns. Rows include Wood dust and Formaldehyde.

Canada WHMIS: Not controlled.

CA PROP 65: The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains a chemical known to the State of California to cause cancer.

SARA: This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

Section 311/312 Hazard Categories: Acute Health Hazard.: Yes, Chronic Health Hazard: Yes, Risk of ignition.: No, Sudden Release of Pressure Hazard.: No, Reactive Hazard: No

Clean Air Act: This product does not contain any Hazardous Air Pollutants (HAPs).

Formaldehyde:

Canada IDL: Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 0.1%. Item: 781(918)

Section 304 RQ: 500

Section 313: Listed

Clean Air Act: Listed

Wood dust:

EC Number: "No data"

Formaldehyde:

EC Number: 200-001-8

State Right To Know

Table with 6 columns: RI, MN, IL, PA, MA. Rows include Wood dust and Formaldehyde.

Table with 6 columns: NJ. Rows include Wood dust and Formaldehyde.

H.U.D. This product complies with H.U.D. regulation 24CFR Part 3280 as emissions of formaldehyde are well below the maximum large chamber test requirement of 0.3 parts per million (ppm). Note: Formaldehyde testing was performed on a 30 inch by 30 inch wall cabinet and a 30 inch base cabinet. The tests were conducted under ASTM E1333 Large scale test chamber conditions. test results were below 0.1 ppm formaldehyde.

WHMIS Pictograms:



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1*
 HMIS Fire Hazard: 0
 HMIS Reactivity: 0
 HMIS Personal Protection: X

Health Hazard	1*
Fire Hazard	0
Reactivity	0
Personal Protection	X

* Chronic Health Effects

Other Information: NFPA Unusual Hazards: None.

SDS Creation Date: June 06, 2014

SDS Revision Date: October 05, 2015

MSDS Author: KK

Disclaimer: The Company believes the information contained in this MSDS to be accurate at the time of preparation and has been compiled using sources believed to be reliable. It is based on available data and is believed to be correct. However, no warranty, merchantability or fitness for use is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, the potential hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control, and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving and using it shall make a determination of the suitability of the material for a particular use. It is the responsibility of the user to comply with all Local, State, Provincial, or Federal regulations concerning use of this product. It is the further responsibility of the buyer to research and understand safe methods of use, storage, handling, and disposal of this product.

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