

3A Composites



Safety Data Sheet

FiberMate™ Initial Release Date: February 23, 2012

Section I	Product Identification
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Manufacturer:	3A Composites USA, Inc. 205 American Ave. Glasgow, KY 42140 (270) 651-3822
Emergency Phone Number:	1-800-424-9300 Chemtrec To be used only in the event of chemical emergencies involving a spill, leak, fire, and exposure accidents involving chemicals.
Trade Name:	FiberMate
Synonym:	High Density Fiberboard, Medium Density Fiberboard, Light Density Fiberboard

Section II	Hazard Identification
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Health:

Skin Irritation – Category 2



Respiratory Irritation – Category 1



Eye Irritation – Category 2B



Carcinogenicity – Category 1B



Section III	Chemical Composition
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Ingredient	% Solid content by Dry Weight	CAS. NO.
Soft Wood Dust	87 - 92	-----
Urea Formaldehyde Resin *	7 - 10	50-00-0
Ammonia *	1	7664-41-7
Wax (Paraffin) **	< 1	8002-74-2
Melamine ***	< 2	
* Formaldehyde content	<0.1%	

** Product is ≥ 0.375 " is treated with ammonia lowering formaldehyde emissions

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*** Wax and Melamine added to improve water resistance properties

Section IV	First Aid Measures
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1. Inhalation: Exposure to excessive concentration of wood dust may cause unpleasant decomposition in the nasal passage resulting in dryness, cough and headache. Avoid breathing dust. Remove from exposure.
2. Eyes: Wood dust may mechanically irritate eyes resulting in redness or watering, flush with clean water to remove particles. If irritation persists, seek medical attention.
3. Skin: Wood dust may elicit contact dermatitis in some individuals or cause mechanical irritation. If irritation or dermatitis develops, seek medical attention

Section V	Fire Fighting Measures
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Special Fire Fighting Procedures: Saturate board with water and move to a secure outside storage location. Avoid breathing dust.

Unusual Fire and Explosion Hazards: Wood dust generated from sawing, sanding, machining etc. may create a fire and explosion hazard. Avoid dust accumulation.

Hazardous Decomposition Products: Toxic fumes and gases, including carbon monoxide, Aldehydes and organic acids.

Section VI	Accidental Release
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In case of release of dust: Vacuum, sweep or shovel to minimize dust generation. Provide adequate ventilation.

Section VII	Handling and Storage
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Provide adequate ventilation.

Store in a cool dry place away from open flames, sparks or hot surfaces.

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Section VIII	Exposure Controls/Personal Protective Equipment
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Exposure Limits:

OSHA PEL:	Formaldehyde:	0.75 PPM	STEL: 2.0 PPM
	Ammonia:	50.0 PPM	35 PPM
	Wax (Paraffin):	2.0 mg/m ³	None
	Wood Dust:	15.0 mg/m ³ total concentration	
		5.0 mg/m ³ respirable	

ACGIH TLV:	Formaldehyde:	0.3 PPM
	Ammonia:	25 PPM
	Wax (Paraffin):	2.0 mg/m ³
	Wood Dust:	1.0 mg/m ³ total

Respiratory Protection: NIOSH approved dust respirator.
Ventilation: Local exhaust
Eye Protection: Safety Glasses with side shields or chemical goggles
Hand Protection: Nitrile or other impermeable material is recommended
Other Protective Clothing or Equipment: Protective covering such as Tyvex suits with shoe and head covering is recommended.

Section IX	Physical and Chemical Properties
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Appearance:	Light tan colored solid panel
Odor:	Odorless
Odor Threshold:	Not Applicable
PH:	Not Applicable
Melting Point:	>350 °F
Initial Boiling Point/Boiling Range:	NA
Flash Point:	NA
Evaporation Rate:	NA
Flammability:	NA
Upper/lower explosive limit:	NA
Vapor Pressure:	NA
Vapor Density:	NA
Specific Gravity:	NA
Solubility:	NA
Partition coefficient:	No Data
Auto-Ignition:	400 – 500° F
Decomposition Temperature:	No Data
Viscosity:	NA

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Section X	Stability and Reactivity
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Material is stable. Pyrolysis may occur. Avoid dust accumulation on hot surfaces.

Incompatible with strong oxidizing agents and strong acids.

Section XI	Toxicology Information
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Signs and Symptoms of overexposure:

Acute Overexposure: Wood dust may cause eye and respiratory irritation, nasal dryness, coughing, sneezing and wheezing as a result of inhalation.

Formaldehyde may cause temporary irritation of skin, eyes or respiratory system.

Chronic Overexposure: Wood dust may cause allergic dermatitis and respiratory Sensitization. Prolonged exposure to wood dust has been reported By some agencies to be associated with nasal cancer. Formaldehyde May cause sensitization in susceptible individuals. Formaldehyde is Classified as a probable or potential carcinogen.

Medical conditions aggravated by exposure: Respiratory conditions, allergies and skin Conditions.

Section XII	Ecological Information
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No Data

Section XIII	Disposal Information
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Dispose according to applicable federal, state and local regulations. Resins used in glue formulations contain formaldehyde.

Section XIV	Transportation
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DOT: Not Regulated
IMDG: Not Regulated

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Section XV	Regulatory Information
REACH:	Pursuant to Title II article 7 of the regulation this product is exempt from registration and notification and is therefore compliant with the REACH regulation.
ROHS:	The FiberMate product is compliant with this regulation.
California Proposition 65:	Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the state of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. This product contains Formaldehyde, a substance known to the state of California to cause cancer. Use adequate ventilation and avoid inhaling vapors and/or use appropriate personal protective equipment

Section XVI	Other Information
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Abbreviations:

NA = Not Applicable CAS = Chemical Abstract Service
OSHA = Occupational Safety and Health Administration. PEL = Permissible Exposure Limit
STEL = Short Term Exposure Limit. ACGIH = American Conference of Governmental Industrial Hygienist. TLV = Threshold Limit Value.

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End of Safety Data Sheet