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Supersedes:		3/25/96	
Trade Name:			
Sizes:	All		

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Manufacturer/Supplier: Dial Manufacturing, Inc. 25 S. 51st Avenue Phoenix, Arizona 85043 Tel. No.: (602) 278-1100	Product Name:	ASPEN WOOD FIBER EVAPORATIVE COOLER PAD			
	Product Number(s):	3001	3008	3044	3410
		3002	3011	3045	3411
		3003	3012	3046	3413
		3004	3015	3048	
		3005	3024	3404	
		3006	3030	3409	

SECTION II – COMPOSITION/INGREDIENT INFORMATION

Chemical Name: Mixture	Synonyms: None	Internal Product Codes: 29, 30, 31	Product Use: Evaporative Cooling
Components		CAS Number	% Weight
Aspen Wood Excelsior		NA	~98
Polypropylene Netting		NA	<1
Adhesive		NA	<1

Component Information/Information on Non-Hazardous Components

Product is a mat of wood excelsior covered or encased with a polypropylene netting used in residential evaporative cooling. Excelsior is a slender, curved wood shaving that may contain wood dust. **Under normal handling, storage, and application conditions, overexposure to wood dust is not anticipated.**

SECTION III – HAZARDS IDENTIFICATION

Product Overview

This product may be regulated, have exposure limits or other information identified as the following:
Wood Dust, All Soft and Hard Woods

Potential Health Effects

Eyes:	Exposure to dusts may cause mechanical eye irritation.
Skin:	Handling of product may cause mechanical skin irritation. Repeated skin contact may cause an allergic skin sensitization reaction.
Ingestion:	Ingestion of this product is unlikely. If ingestion does occur, it may produce gastric irritation and discomfort.
Inhalation:	Inhalation of wood dusts may cause irritation and dryness of the respiratory system. Repeated inhalation exposure to wood dusts may cause an allergic respiratory sensitization reaction. Under normal use, handling and storage conditions, overexposure to wood dust is not anticipated.

SECTION VI – FIRST AID MEASURES

Eyes:	In case of contact, flush eyes with water for 15 minutes. Obtain medical attention if irritation persists.
Skin:	In case of contact, wash thoroughly with soap and large amounts of water. If irritation develops, get medical attention.
Inhalation:	Due to the physical nature of this material, ingestion is unlikely to occur. If ingestion does occur, seek medical attention.
Ingestion:	If respiratory irritation or other symptoms develop, seek medical attention.
Notes to Physician:	None

SECTION V – FIRE FIGHTING MEASURES

Flash Point:	N/A	Method Used:	N/A
Upper Flammable Limit (UFL):	N/A	Flammability Classification:	N/A
Lower Flammable Limit (UFL):	N/A	Rate of Burning:	Moderate to Rapid
Auto Ignition:	N/A	Extinguishing Media:	Water, Dry Chemical, Sand
General Fire Hazards:	Product will ignite upon exposure to ignition source.		
Hazardous Combustion Products:	Carbon Monoxide, Carbon Dioxide, Aldehydes and various Hydrocarbon fragments.		

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Fire Fighting Equipment/Instructions:	Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing.			
	Fire fighters should avoid inhaling any combustion products.			
NFPA Ratings:	Health: 1	Fire: 1	Reactivity: 0	Other: 0
HMIS Ratings:	Health: 1	Fire: 1	Reactivity: 0	Personal Protection: N/A

SECTION VI – ACCIDENTAL RELEASE MEASURES

Containment Procedures:	Contain by any means necessary.
Clean-Up Procedures:	Vacuum or sweep up material as necessary.
Evacuation Procedures:	Keep unnecessary people out of area.
Special Instructions:	Remove sources of ignition during clean up.

SECTION VII – HANDLING AND STORAGE

Procedures for Handling:	Remove all sources of ignition when handling this product.
Recommended Storage Methods:	Store in a cool, dry area away from moisture, excessive heat and sources of ignition.
	Under normal use conditions, ignition is not anticipated as product is saturated with moisture.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:		
A. General Product Information:	Keep formation of dusts to a minimum.	(OSHA STEL: 10mg/m3)
B. Component Exposure Limits:	Wood Dust, All Soft and Hard Woods	(OSHA PEL: 5mg/m3)

Engineering Controls:	Use as necessary to avoid contact with ignition sources.
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Personal Protective Equipment:	
Eye/Face:	Wear safety glasses, goggles, or other appropriate eye/face protection.
Skin:	Normal work clothing and gloves are recommended.
Respiratory:	When necessary, appropriate NIOSH/MSHA approved respiratory protection should be used.
General:	None.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Wood fiber covered or encased with plastic mesh	Odor:	Mild
Physical State:	Solid	pH:	N/A
Vapor Pressure:	N/A	Vapor Density:	N/A
Boiling Point:	N/A	Freezing Point:	N/A

SECTION X – CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability:	Stable
Conditions to Avoid:	Avoid excessive heat and ignition sources.
Incompatibility:	Avoid contact with oxidizing agents and drying oils.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide, Aldehydes, and various Hydrocarbon fragments.
Hazardous Polymerization:	Hazardous polymerization will not occur.

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxicity/Target Organ Information:	
A. General Product/Component Information	Wood dusts are generally considered respiratory irritants and sensitizers. However, the ability of the dusts to cause sensitization reactions varies greatly with the species of wood. Under normal use, handling and storage conditions, overexposure to wood dust from this product is not anticipated.

Epidemiology:	No data available for this product.
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Carcinogenicity:	
A. General Product/Component Information	There is some evidence that exposure to certain wood dusts may be associated with an increased risk of certain nasal cancers. However, that risk appears to vary greatly with the species of wood and the duration and extent of exposure. Under normal use, handling and storage conditions, overexposure to wood dust from this product is not anticipated.
B. Component Carcinogenicity Listings	Not listed by ACGIH, IARC, NIOSH, NTP or OSHA as a carcinogen.

Reproductive Toxicity:	No data available for this product.
Neurotoxicity:	No data available for this product.
Mutagenicity:	No data available for this product.
Other Information:	No data available for this product.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity:	No data available for this product.
Environmental Fate:	98% of product is composed of natural and biodegradable components.

SECTION XIII – DISPOSAL CONSIDERATIONS**US EPA Waste Numbers and Descriptions**

- A. General Product Information: As shipped, not regulated as a hazardous waste.
 B. Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions	Dispose of waste material in accordance with all applicable Federal, State or provincial and local environmental regulations.
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SECTION XIV – TRANSPORTATION INFORMATION**D.O.T. Information:**

Shipping Name:	Not regulated as a hazardous material	Packing Group:	Not regulated
Hazard Class:	Not regulated	Label(s) Required:	None
UN/NA #:	Not regulated	Add'l Shipping Information:	None
International Transportation Regulations:	Not regulated as dangerous goods.		

SECTION XV – REGULATORY INFORMATION**US Federal Regulations:**

- A. General Product Information: Not Applicable
 B. Component Waste Numbers: None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

State Regulations:

- A. General Product Information: Not Applicable
 B. Component Waste Numbers: None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations:

- A. General Product Information: Not Applicable
 B. Component Waste Numbers: None of the components are listed on the Canadian Controlled Product Ingredient Disclosure List.