

# MATERIAL SAFETY DATA SHEET

<b>IDENTITY</b> (As used on label) Phenolic Resin Bonded Structural Panels	<b>MANUFACTURER'S NAME</b> BESSEMER PLYWOOD CORP (BPC)
SYR MS Plywood	<b>ADDRESS</b> 1000 YALE AVE.  BESSEMER, MI. 49911
<b>CAS NUMBER</b> None	<b>EMERGENCY TELEPHONE NO.</b> (906) 667-0277
<b>DATE PREPARED</b> 10-1-91	<b>INFORMATION TELEPHONE NO.</b> (906) 667-0277

## I. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	ACGIH STEL	OSHA STEL	OSHA PEL	ACGIH TLV	%
Softwood dust	10 mg/mn <sup>3</sup>	10mg/m <sup>3</sup>	5mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	88-88
Hardwood dust (beech, oak)	none	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	88-88
Free Formaldehyde (Action level .5 ppm)	2 ppm	2 ppm	1 ppm	1 ppm	< .04
Many states have their own occupational safety and health regulations and may have more restrictive limits.					

## II. PHYSICAL DATA

BOILING POINT (760 mm. Hg)	N/A	MELTING POINT	N/A	pH	N/A
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	0.8	VAPOR PRESSURE AT 20° C		N/A	
WATER DENSITY (air = 1)	N/A	SOLUBILITY IN WATER, % by wt.		8%	
PERCENT VOLATILES BY VOLUME	0	EVAPORATION RATE (Butyl Acetate = 1)		N/A	
APPEARANCE AND ODOR	White, brown, or tan panel with slightly aromatic wood odor.				

## III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	N/A	AUTOIGNITION TEMPERATURE	400-500°F		
FLAMMABLE LIMITS IN AIR, percent by volume		LOWER (LEL)	N/A	UPPER (UEL)	N/A
EXTINGUISHING MEDIA:	Water, Sand				
SPECIAL FIRE FIGHTING PROCEDURES:	Use water to wet down dust to reduce the likelihood of ignition or dispersion of dust into the air. Remove burned or wet dust to open area after fire is extinguished.				
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Wood dust is a strong to severe explosion hazard if a dust "cloud" contacts an ignition source.				

## IV. REACTIVITY DATA

STABILITY	CONDITIONS TO AVOID	Good housekeeping and routine disposal of panel dust is recommended.
Unstable	none	
Stable		
	X	
INCOMPATIBILITY (materials to avoid)	Oxidizing agents and drying oils.	
HAZARDOUS DECOMPOSITION PRODUCTS:		
HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID	N/A
May Occur	none	
Will Not Occur		
	X	

## Phenolic Resin Bonded Structural Panels

### MATERIAL NAME

## V. HEALTH HAZARD DATA

### EFFECTS OF OVEREXPOSURE

1. **Acute Overexposure:** Panel dust may be mechanical irritant to eyes. Excessive concentration may cause deposit in nasal passages resulting in rhinorrhea, dry cough, wheezing, sinusitis.
2. **Chronic Overexposure:** Some species of wood dust can elicit allergic contact dermatitis in sensitized individuals as well as mechanical irritation resulting in erythema and hives. Prolonged exposure to certain species of hardwood dust have been statistically associated with nasal cancer in British furniture workers.

**NOTE:** These products are manufactured using a phenol-formaldehyde thermoset resin. Maximum indoor formaldehyde levels associated with freshly manufactured panels are similar to outdoor background levels in urban areas (less than 0.1 ppm; and levels decrease through time as the panels age).

### EMERGENCY AND FIRST AID PROCEDURES

1. **Inhalation:** Remove to fresh air. If persistent irritation, severe coughing, breathing difficulties or rash occur, seek medical advice. (Primary route of exposure is inhalation.)
2. **Eyes:** Panel dust may mechanically irritate the eye resulting in redness or watering. Flush with water to remove dust particles. If irritation persists, seek medical attention.
3. **Skin:** Various species of wood dust can elicit allergic contact dermatitis in sensitized individuals after repetitive contact. If a rash, or persistent irritation, or dermatitis occur, seek medical advice.
4. **Ingestion:** N/A

## VI. PRECAUTIONS FOR SAFE HANDLING AND USE

Special handling precautions are required. Panels are combustible. Keep in cool, dry place away from open flame and other sources of ignition.

## VII. SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Not applicable for product in purchased form. Panel dust may be vacuumed or shoveled for recovery or disposal. Avoid dusting conditions. Provide good ventilation where dusting is possible. Use NIOSH/MSHA approved dust respirator and goggles where ventilation is not possible.

### WASTE DISPOSAL METHOD

If disposed or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether your product meets federal, state or local regulations.

## VIII. CONTROL MEASURES

**Precautions:** If this product is used in a process which generates dust levels in excess of the allowable exposure limit(s) for wood dust, a NIOSH/MSHA approved dust respirator and goggles should be worn. Due to the explosive potential of wood dust when suspended in air, precautions should be taken to prevent sparks or other ignition sources in ventilation systems. Use of totally enclosed motors is recommended or may be warranted if process generates excessive levels of wood dust.

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