

PT.Canang Indah
Particleboard & MDF Industries

**PARTICLEBOARD / MDF
MATERIAL SAFETY DATA SHEET**

A. GENERAL INFORMATION

PRODUCT NAME: Urea Formaldehyde Bonded Wood Product (Particleboard & MDF)	C.A.S .NO. N.A
DESCRIPTION : This panel product is manufactured from particles or fibres of wood bonded together with Urea- Formaldehyde Resin	
MANUFACTURER DISTRIBUTOR PT.CANANG INDAH: Particleboard & MDF Industries Jl. Prof.H.M.Yamin S.H No.46 Medan 20234 North Sumatera - Indonesia	PHONE NUMBER : T.(+6261) 4525799 , 4560573 F.(+6261) 4524422

B. INGREDIENTS & HAZARDS

Under some condition the following hazardous chemical or components may be released from fibreboard, particleboard, and or products manufactured from the same Wood dust may also be developed from machining various wood products.

MATERIAL COMPONENT	C.A.S#	OSHA Exposure Limit	ACGIH/TLV Ceiling
Formaldehyde	50-00-0	0.75 PPM 8 hr TWA Pel 2 PPM STEL	0.3 PPM
Wood Dust	N.A	5 mg/m ³ , 8 hr TWA 10 mg/m ³ STEL	5 mg/m ³ , 8 hr TWA 10 mg/m ³ ,15-min STEL

Particleboard and Medium Density Fibreboard certified as meeting the HUD manufactured and Home Construction and Safety Standards 24 C.F.R. Part 3200 does not emit excess of 0.3 PPM formaldehyde when tested. in accordance with FTM 2-1983, large scale test method for determining formaldehyde emission from wood products.



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C. PHYSICAL CHARACTERISTICS

Boiling- Point :N.A	Specific Gravity:(Water=1):1	VaporPressure :N.A
Odor :No distinctive	MeltingPoint :N.A	Reactivity in water :NA
Appearance :Shades of brown		

D. FIRE & EXPLOSION DATA

Flash Point :	N.A
Auto Ignition	400 - 500 °Fahrenheit (204 - 260°C)
Temperature: Flammable	Formaldehyde LEL 7%, UEL 73%
limits :	Water Spray
Fire Extinguisher Media :	Fire -Fighting procedures for wood products are well known-
Special Fire	water
Fighting	Wood products do not constitute an explosion hazard. Sawing,
Procedures:	sanding and/or machining can produce wood dust as a by-product
Fire and Explosion Hazards :	wich may present a severe explosion hazard if a dust cloud
	contacts an ignition source. According to data contained in HFPA
	standards, 0.040 ounce per cubic foot is the minimum explosive
	concentration for wood flour.

E. HEALTH AND HAZARD DATA

Formaldehyde Vapor-Sign and Syntoms of Exposure	
Acute : May Cause temporary irritation of skin, eyes or respiratory system. May cause sensitization in susceptible individuals.	
Chronic : Rats exposed to 14 PPM formaldehyde develop nasal cancer. The NCI (National Cancer Institute) epidemiology study of 26,000 workers found little evidence linking formaldehyde exposure to cancer.The EPA has classified formaldehyde as a B-1 Probably Human Carcinogen.	
Formaldehyde is listed by IARC and the HTP as an animal carcinogen	
Medical condition aggravated by exposure : Respiratory condition or allergies	
Emergency First Aids Procedures :	
Inhalation	: Remove to fresh air
Eyes	: Remove to fresh air
Skin	: Remove to fresh air
Ingestion	: N.A
If Irritation, or other symptoms persist-consult a physician	

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F. REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	High humidity & temperatures = higher formaldehyde emission
Materials to avoid:	Strong oxidizing agents and/or strong acid.
Hazardous Decomposition:	Thermal and/or thermal-oxidative decomposition can produce irritating and toxic fumes and gases, including Carbon Monoxide, aldehydes and organic acids.
Hazardous Polymerization :	Will not occur.

G. SPILL/LEAK PROCEDURES

Handling & Storage:	Provide adequate ventilation/reducing formaldehyde vapor.
Waste Disposal:	Incinerate, or landfill in accordance with local & federal regulations

H. SPECIAL PROTECTION INFORMATION

Respiratory Protection :	Wear NIOSH approved breathing protection for Exposure to wood dust
Eye Protection	Wear safety goggles in dusty environments.