



rodman industries inc

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MATERIAL SAFETY DATA SHEET

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I. General Information

Product Name: Phenol formaldehyde bonded particleboard
Trade Names & Synonyms: Resincore I, RCI, LP, Phenolic
Basic Formula: wood, phenol formaldehyde resin, wax
DOT Hazard Classification: Not classified

II. Ingredients

Principal Components	Typical Percentage	Threshold Limit Value
Wood; Typical species: pine, spruce, maple, oak, aspen, birch, beech, elm, hemlock, fir.	89-92	ACGIH 5.0 mg/m ³ OSHA PEL 15.0 mg/m ³ Other 10.0 mg/m ³ *

*Nuisance dust limit in some states with State Health and Safety Regulations.

Resin solids-Phenol formaldehyde	6.8-10.0	ACGIH 1.0 ppm TWA** OSHA 3.0 ppm TWA**
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**As free formaldehyde gas

Wax	1.0	ACGIH 2 mg/m ³ ***
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***As paraffin

III. Physical Data

Appearance: wood particles in board form; light brown to gray in color.
Specific Gravity: .70 to 1.04
Boiling Point: N/A (not applicable)
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in water: N/A
Percent volatile by volume: N/A
Evaporation rate: N/A
PH: N/A

MSDS Rodman Phenol Formaldehyde Particleboard.

IV. Fire & Explosion Hazard Data

Auto Ignition Temperature for this product or its dust exceeds 200 degrees centigrade.

Flammable Limits: flammable or explosive conditions can occur with dust from this product depending upon, moisture content, particle size, physical confinement, temperature, and ignition source.

Extinguishing Media: water, sand, class A, AB, or BC extinguisher

Special Fire Fighting Procedures: None

V. Health Hazard Data

Threshold Limit Value: none established

This product may emit very small amounts of formaldehyde vapors.

OSHA TLV for formaldehyde 3 p.p.m., 8 hour TWA

ACGIH TLV for formaldehyde . . . 1 p.p.m., 8 hour TWA

Guide for Detecting Formaldehyde

p.p.m.	Sensory Effects
0.0 - 0.7	No noticeable odor
0.7 - 1.7	Slight detectable odor
1.7 - 2.0	Slight eye discomfort
2.0 - 3.0	Noticeable nose odor - tolerable
2.5 - 5.0	Eyes uncomfortable
3.0 - 5.0	Almost intolerable
above 5.0	Intolerable

Medical Conditions Aggravated by Exposure:

Formaldehyde may aggravate respiratory conditions or allergies

Health Hazards-Chronic Exposure:

Formaldehyde has been shown to cause cancer in certain laboratory animals after long-term exposure to very high concentrations (14+ p.p.m.), far above those normally found in the workplace with this product.

The National Toxicology Program and The International Agency for Research on Cancer list formaldehyde as an animal carcinogen. Currently available studies do not demonstrate a causal relationship between formaldehyde exposure and cancer in humans.

Emergency First Aid:

Treat dust in eye as foreign object.

Sensory formaldehyde effects--remove to fresh air.

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Reactivity Data

Stability stable

No known conditions of incompatibility, hazardous polymerization, or hazardous decomposition products.

VII. Environmental Protection Procedures

Spill Response: N/A

Waste Disposal Method: Incineration or dry land disposal is common in most areas. It is the responsibility of the user to determine at time of disposal whether the product meets local disposal requirements and RCRA criteria for hazardous waste.

VIII. Special Protection Information

Eye Protection: Safety glasses when machining

Skin Protection: Gloves recommended to avoid splinters

Ventilation Recommendations: Local exhaust when machining;
Mechanical (General) exhaust for normal handling and storage.

Respiratory Protection: None required if airborne dust and formaldehyde concentrations are within OSHA/ACGIH limits. Use an approved combination chemical cartridge/dust respirator if above limits.

IX. Special Precautions

None required.

