



**NORPLEX
MICARTA**
HIGH PERFORMANCE COMPOSITES

Industrial Laminates/Norplex, Inc.

665 Lybrand St., POB 977
Postville, IA 52162 - 0977
Customer Service Phone: 800-350-9490
General Phone Number: 800-848-4431
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Email: info@norplex-micarta.com

Product Identification:

Product Name: NP504, RT504, MC504BR, RT504F
Other/Generic Names: Phenolic Fiber Glass High Temperature laminate

Composition/Information On Ingredients:

No hazardous ingredients at reportable levels are found in this product.

Hazards Identification:

A nonflammable sheet material. Dust when machined or punched may cause skin or eye irritation. Fumes, if decomposed, may irritate eyes, nose, and throat.

Potential Health Hazards:

Skin: Dust may cause moderate skin irritation.

Eyes: Dust may cause moderate eye irritation. Fumes may irritate eyes.

Inhalation: Dust or Fumes may cause irritation of the throat. Fibrous glass dust could be released from the fiberglass cloth substrate when machined. The TLV per ACGIH for fibrous glass dust is 10 mg/m³ TWA for particles <5 microns in diameter.

Ingestion: Not determined.

Carcinogen: Formaldehyde is designated a carcinogen on the following lists: NTP/IARC/OSHA

Delayed Effects: The above products are reinforced with continuous filament fiberglass. Dust generated from the cutting, grinding, machining, etc., would not be expected to produce respirable particles. IARC considers continuous glass filaments as unclassifiable or probably non-carcinogenic.

First Aid Measures:

Skin: Wash dust off in flowing water or shower. Change contaminated clothing.

Eyes: Irrigate with flowing water for 15 minutes. If irritation persists, consult a physician.

Inhalation: If overcome by dust or smoke, remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. Call physician.

Ingestion: If large amounts are ingested, consult physician.

Advice To Physician: Treat symptomatically

Fire Fighting:

These products may give off toxic gases of formaldehyde and phenol when burning or when heated to decomposition. Firemen should wear proper protective equipment and positive pressure self-contained breathing apparatus. Use water, CO₂ and dry chemical to fight fire.

Accidental Release Measures:

Not applicable, material is an article.

Handling and Storage:

The primary exposure route is inhalation of dust when machined/punched or from fumes or vapors when heated.

Exposure Controls:

Engineering Controls: Use local exhaust ventilation to control dust.

Personal Protective Equipment:

Skin Protection: For brief contact to dust, no precautions other than clean body-covering clothing should be needed. Use gloves and aprons when prolonged or frequently repeated contact occurs.

Eye Protection: Use appropriate eye protection when machining material.



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Respiratory Protection: Atmospheric levels of fibrous glass dust should be maintained below exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH-approved dust respirator.

Exposure Guidelines:

Ingredient Name:	CAS #	CGIH TLV	OSHA PEL
Formaldehyde	(50-00-0)	0.3 PPM	0.75 PPM
Phenol	(108-95-2)	5 PPM	5 PPM
Continuous Filament Fibrous Glass/dust	(65997-17-3)	10 mg/m ³	

Physical and Chemical Properties:

Possible slight phenolic odor

Stability and Reactivity:

This product is stable. Incompatibilities have not been determined.

Hazardous Decomposition Products: CO, CO₂, Phenol, and Formaldehyde if heated in excess of 300 deg. C.

Toxicological Information:

May cause moderate eye, skin and throat irritation.

Delayed (Subchronic & Chronic) Effects: NTP has determined that respirable size glasswool may be reasonably anticipated to be a carcinogen. IARC has also classified glasswool as a possible carcinogen. Our product is reinforced with continuous filament fiberglass. Dust generated from the cutting, grinding, machining, etc., would not be expected to produce respirable particles. IARC considers continuous glass filaments as unclassifiable or probably non-carcinogenic.

Other Data: The toxicity of the combustion products was evaluated in a similar product with 95% confidence limits; the LC50 was calculated (Probit Analysis) to be 40.4 (32.3-69.9) mg/L. The LC50 of the standard reference material, Douglas fir, is 27.1 mg/L.

Ecological and Disposal considerations:

Not biodegradable. Not considered a RCRA hazardous waste if discarded. Disposal must be made in accordance with all applicable Local, State and Federal regulations. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Regulatory/Transport Information:

Not regulated by the US DOT. The resin system components used to make this material are on the TSCA inventory list.

Other information:

Contact customer service at (563)-864-7321 if you require any additional information.