



INDUSTRIES 3R

# MATERIAL SAFETY DATA SHEET

## IDENTITY

Part Number: **XX**  
 Identity: Phenolic Cellulose  
 Description: Thermoset Laminates

## SUPPLIER

Industries 3R inc.  
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## COMPOSITION/ INFORMATION ON INGREDIENTS

No hazardous ingredients at reportable levels are found in this product.  
 A non-flammable sheet material. Dust when machined or punched may cause serious 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 irritations. Fumes may irritate eyes  
**Inhalation:** Dust or fumes may cause irritation of the throat  
**Ingestion:** Not determined  
**Carcinogen:** Formaldehyde is designated a carcinogen on the following lists: NTO/IARC/OSHA

## PHYSICAL DATA

Solid, flat sheet – optional colors. Possible slight phenolic odor. Specific Gravity, 1.4

## FIRST AID MEASURES:

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

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, CO<sub>2</sub> and dry chemical to fight fire.

## EXPOSURE CONTROLS

**Engineering Controls:** Use local exhaust ventilation to control dust.

## STABILITY AND REACTIVITY DATA

**Stability:** Stable.  
**Incompatibility:** Not determined.  
**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, Phenol, and Formaldehyde if heated in excess of 300°C.

### **HANDLING AND STORAGE**

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

### **ACCIDENTAL RELEASE MEASURES**

N/A – material is an article.

### **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.

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

### **EXPOSURE GUIDELINES**

<b>Ingredients Name</b>	<b>CAS#</b>	<b>CGIH TLV</b>	<b>OSHA PEL</b>
Formaldehyde	50-00-0	0.3 PPM	0.75 PPM
Phenol	108-95-2	5 PPM	5 PPM

### **TOXICOLOGICAL/ ECOLOGICAL AND DISPOSAL INFORMATION**

May cause moderate eye, skin and throat irritation. No known delayed (Subchronic & chronic) effects.

**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 fiber glass. 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.

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.

### **DISCLAIMER**

The information, details, dimensions and values indicated are to our best knowledge. We recommend testing according to local conditions. The specifications are subject to change without notice.