




Distributed by:  Polymershapes

**Section 1. Chemical Product and Company Identification**

<i>Product name</i> <b>Acculam® Phenolfab CYB</b>	<i>Trade Name</i> <b>NEMA Grades CYB, LYB</b>
<i>Product Description</i> Rigid composites having a cotton fabric reinforcement with a modified phenolic resin binder	
<i>Manufacturer</i> Accurate Plastics, Inc. 18 Morris Place Yonkers, NY 10705-1929	<i>IN CASE OF EMERGENCY:</i>  Tel: 914-476-0700  Chemtrec:
<i>Date of Preparation:</i> 4/22/15	Replaces: 12/14/13
<i>Preparers Name</i> KJ Soltys	

**Section 2. Hazards Identification**

As received this product is not classified as hazardous by OSHA. Dust and fumes generated during machining and processing of this product are classified as hazardous according to OSHA standards.

<b>GHS Classification of Phenolic Cotton Laminate at Ambient Conditions</b>	
Inhalation	Not Classified
Skin	Not Classified
Eyes	Not Classified
Ingestion	Not Classified
Cancer	Not Classified
Chronic	Not Classified
<b>GHS Classifications for Phenolic Cotton Graphite Dust and Fumes</b>	
 <b>WARNING!</b>	
<b>Hazard Statements</b>	
Dust generated during machining and grinding operations may cause eye irritation	H 315; H332
Fumes from thermal decomposition or burning may irritate eyes, nose & respiratory system	H 315; H 320; H332; H 335
Dust generated by machining operations can be explosive. Dust may accumulate to explosive concentrations in uncontrolled environments.	H 201 Mass explosion hazard.
Fumes may contain trace concentrations of formaldehyde (known carcinogen)	H 350 May cause cancer
Dust containing carbon (graphite) is very flammable	H 223 Flammable material
<b>Precautionary Statements</b>	
Avoid eye exposure to dust and fumes	P262
Avoid skin contact with dust and fumes	P261

In case of inadequate ventilation wear respiratory protection	P285
Avoid contact of dust with open flame. Avoid static build up	P 241; P 243

**Section 3. Composition, Information on Ingredients**

<i>Component Information</i>	
<i>Chemical Name</i>	<i>CAS #</i>
Cotton	Not Listed
Phenol/formaldehyde Resin	Not Listed
Graphite	7782-42-5
Dust generated during grinding, cutting, or drilling of cotton and/or linen reinforced plastic produces respirable fiber shaped plastic (organic) particles which have an OSHA PEL of 5 mg/m <sup>3</sup> and cotton dust regulated by OSHA as noted above. Trace amounts (<0.05%) of formaldehyde and phenol may be present as unreacted polymer precursors which may be released during machining operations as co-contaminants with the dust. Formaldehyde has an OSHA PEL of 0.75 ppm. Phenol has an OSHA PEL of 5 ppm.	

**Section 4. First Aid Measures**

<b>Eyes</b>	Immediately wash the eyes with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this material.
<b>Skin</b>	Immediately wash the contaminated skin with soap and water. If redness, itching or a burning sensation develops, get medical attention.
<b>Inhalation</b>	Immediately move the exposed person to fresh air. If not breathing, give artificial respiration and get immediate medical attention.
<b>Ingestion</b>	If large quantities have been swallowed, DO NOT INDUCE VOMITING. If victim is conscious and alert, give 2 - 4 cups of lukewarm water. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	N/D
<b>Flammability Classification OSHA/NFPA</b>	Flash Pt. <00°F Class: Solid
<b>Extinguishing Media</b>	Carbon dioxide, water, foam.
<b>Unusual Fire and Explosions Hazards</b>	Isolate fire area and deny unnecessary entry. Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing. Dust from machining and fabrication operations may be explosive if mixed with air in critical proportions in the presence of an ignition source. Heat from fire can generate decomposition products that may cause a health hazard.

**Section 6. Accidental Release Measures**

<b>Small Spills</b>	Contain and manage dust during manufacturing. If collected dust is spilled from collection container sweep up spilled material using water spray to suppress the dust. Shovel into suitable disposal container. Eliminate all ignition sources.
<b>Large Spills</b>	Eliminate all ignition sources. Sweep up spilled material using water spray to suppress dust. Transfer to proper containers for disposal. Persons not wearing protective equipment should be excluded from the area of spill until cleanup has been completed.

**Section 7. Handling & Storage**

Store material in a clean, cool, ventilated area away from all sources of ignition. Dust generated during normal manufacturing operations can represent both a health hazard and a fire hazard. Use dust control equipment at the point of generation in machining and sawing operations. Wash hands and other exposed areas thoroughly after handling and wash soiled clothing
---

before reuse.

**Section 8. Exposure Controls/Personal Exposure**

Component Information		Exposure Limits	
Chemical Name	CAS #	TLV, TWA ACGIH	OSHA PEL, TWA
Cotton Fabric	Not Listed	0.2 mg/m <sup>3</sup> (dust)	0.5 mg/m <sup>3</sup> (dust)
Phenol/formaldehyde Resin	Not Listed	10 mg/m <sup>3</sup> (dust)	15 mg/m <sup>3</sup> (total dust)
Graphite	7782-42-5	15 mg/m <sup>3</sup> (total dust)	15 mg/m <sup>3</sup> (total dust)
Dust generated during grinding, cutting, or drilling cotton reinforced plastic produces non respirable fiber shaped plastic (organic) particles and respirable cotton dust regulated by OSHA as noted above. Trace amounts (<0.05%) of formaldehyde may be present as an unreacted polymer precursor which may be released during machining operations as a co-contaminant with the dust. Formaldehyde has an OSHA PEL of 0.75 ppm. Graphite in dust form is flammable			
<b>Personal Protective Equipment</b>			
<b>Eye Protection</b>	Minimize dust generating activities. Wear safety goggles with side shield or face shield. Contact lenses must not be worn.		
<b>Skin Protection</b>	Wear gloves to protect against sharp edges and thermal effects when handling heated material. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.		
<b>Respiratory Protection</b>	If personal exposure cannot be controlled below applicable limits by area ventilation, wear a properly fitted particulate respirator approved by NIOSH/MSHA for protection against dust. ( See Section 2)		
<b>Ventilation</b>	General area ventilation is acceptable if the exposure is maintained below applicable exposure limits. ( See Section 2) Use local exhaust for sawing and machining operations.		
<b>Other Precautions</b>	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.		

**Section 9. Physical and Chemical Properties**

% Volatile Content by Weight	<0.05%	Specific Gravity (gm/cc)	1.2
Melting Point	N/A	Freezing Point (°C)	N/A
Vapor Pressure (mm Hg)	N/A	Solubility in Water	Insoluble
Vapor Density (Air=1)	N/A	Appearance and Odor	Light Tan Solid

**Section 10. Stability and Reactivity**

<b>Stability</b>	Stable
<b>Conditions to Avoid</b>	Protect from heat, sparks, flame and possible sources of ignition.
<b>Incompatibility</b>	Avoid contact with strong acids and bases
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide, bromine and other hazardous gases. These gases and other volatiles may be generated under normal processing conditions.
<b>Hazardous Polymerization</b>	Will Not Occur!

**Section 11. Toxicological Information (see Section 2. for Exposure Symptoms)**

Acute Toxicity			
Component Tested	Oral LD <sub>50</sub> (rat)	Dermal LD <sub>50</sub> (rabbit)	Inhalation LC <sub>50</sub> 4hr (rat)
Formaldehyde	500 mg/kg	270 mg/kg	203 mg/m <sup>3</sup>
Phenol	319 mg/kg	1500 mg/kg	316 mg/m <sup>3</sup>

**Section 12. Ecological Information**

Not biodegradable.

**Section 13. Disposal Considerations**

RCRA: This product, if disposed as shipped, is not considered a hazardous waste as specified in 40 CFR 261. Dispose of in accordance with all applicable federal, state and local regulations. Generation of particulates during machining and fabricating operations may be subject to Federal and State Air Pollution Control Laws.

**Section 14. Transportation Information**

This product, if offered for shipment, is not regulated by USDOT 49 CFR Parts 171 - 180: Regulation of Hazardous Materials Transportation in Commerce.

<b>Shipping Information</b>	N/A
<b>Classification</b>	N/A
<b>Identification</b>	N/A
<b>Packing Group</b>	N/A
<b>Label</b>	N/A

NOT REGULATED AS HAZMAT

**Section 15. Regulatory Information**

*Regulations Governing Product:*

Inventory Status: United States (TSCA) - All ingredients are on the inventory or exempt from listing.

SARA TITLE III

EPCRA 302 EHS Extremely Hazardous Substance Reporting: N/A

EPCRA 311/312 Tier II Chemical Inventory Reporting: N/A

*Regulations Governing Ingredients* The reportable chemicals contained in these products are below De Minimis concentrations.

<i>Chemical Name</i>	<i>CAS #/Chemical Category</i>	<i>CERCLA RQ</i>	<i>SARA TITLE III EPCRA 313 RQ</i>
None			

**Section 16. Other Information****REFERENCES**

CRC Press: Handbook of Chemical and Physical Constants by David R. Lide

Merck & Company: The Merck Index

Sigma-Aldrich Company: Aldrich Handbook of Fine Chemicals

Dictionary of Toxicology by Robert Lewis

National Library of Medicine TOXNET

US Department of Transportation, Research and Special Programs Administration: Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements

The information contained herein are given in good faith but no guarantee or warranty of any kind, expressed or implied, is made with respect to the information above.

Accurate Plastics, Inc. expressly disclaims any liability which may be incurred in using the information contained herein.

Distributed by:  Polymershapes

Call: 1 (866) 437-7427

Email: info@polymershapes.com

www.polymershapes.com