SAFETY DATA SHEET

NEMA Grades C, CE, L, LE

Current, Incorporated

Section 1. Identification

Product Name: NEMA Grades C, CE, L, LE

Manufacturer: Current, Incorporated
30 Tyler Street Extension
East Haven, CT 06512

Emergency Phone: 203-469-1337
877-436-6542 (Toll Free)

Description: Canvas/Cotton based impregnated with phenolic resin

Product Use: Material is used in manufacturing gears, pinions, bearings, etc.

Section 2. Hazard Identification

GHS Classification: This material, as sold, is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200
Dust and fumes generated during machining/sanding of this material is classified as hazardous per OSHA standards.

GHS Signal Words with Hazard and Precautionary Statements: Warning!

Dust generated during machining, grinding or sanding may cause eye irritation.
Fumes from decomposition or burning may irritate eyes, nose and respiratory system.
Fumes may contain trace amounts of formaldehyde. (a known carcinogen)
Dust generated by secondary operations can be explosive.
Avoid eye exposure to dust and fumes.
Avoid skin exposure to dust and fumes.

GHS Pictograms: **Warning!** This product may form combustible cotton phenolic dust during processing.





Route of Entry: None for this product as sold. For dust or chips generated during fabrication operations: eye contact, skin contact, and inhalation.

Skin Contact: Solid sheet may be abrasive to, or cut the skin. Operations such as milling, cutting, grinding, etc. may produce dust or fines that may be irritating.

Eye Contact: No hazard for product as sold. Operations such as milling, cutting, grinding, etc. may produce dust or fines that may be irritating.

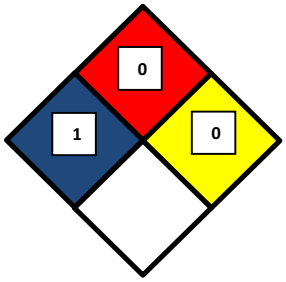
Respiratory Contact: Not an expected route of entry as sold. Operations such as milling, cutting, grinding, etc. may produce dust or fines that may be irritating. Prolonged exposure to dust may cause chronic respiratory illness.

Ingestion: Not an expected route of entry as sold. If large amounts of dust are swallowed, seek medical attention.

HMIS (United States)

Health	1
Flammability	0
Reactivity	0
PPE	B

NFPA (United States)



WHMIS (Canada): Not classified as hazardous

Section 3. Composition / Information on Ingredients

Fully cured solid composite of cotton/phenolic resin:

Name	CAS #
Cotton Fabric	Not Listed
Phenol/formaldehyde resin	Not Listed

Section 4. First – Aid Measures

For dust or fumes produced by machining, grinding or sanding:

Skin: Wash skin with soap and water. If redness or itching develops seek medical attention.
Eye: Flush with large amounts of cool water for 15 minutes. If irritation persists, seek medical attention.
Respiratory: Remove to fresh air. Call a physician if necessary.
Ingestion: If large amounts of dust are swallowed, Do Not Induce Vomiting. Get medical attention immediately.

Section 5. Fire-Fighting Measures

Flammability: Not Flammable under normal conditions. Flash Pt.: N/A, Class: Solid

Extinguishing Media: Water, foam, carbon dioxide or dry chemical

Special Fire and Explosion Hazard: None as sold. (Accumulated dust may be explosive. Heat from fire can generate decomposition products that may cause a health hazard.)

Special Firefighting Procedures: Fire fighters should wear positive-pressure self-contained breathing apparatus (SCUBA) and protective clothing.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Material is non-hazardous as sold.

Environmental Precautions: None

Spills: Material is solid as sold. Contain and manage dust during secondary operations. Sweep up accumulated dust using water spray to suppress. Eliminate all ignition sources.

Section 7. Handling and Storage

Handling Precautions: No specific usage precautions required as sold. Follow normal good hygiene practices.

Storage Precautions: Store in a cool, dry well-ventilated area.

Section 8. Exposure Controls / Personal Protection

Machining, cutting, grinding or sanding cotton based phenolic/formaldehyde produces respirable dust regulated by OSHA as noted below. Trace amounts (<0.05%) of formaldehyde and phenol may be present as unreacted precursors which could be released during machining/sanding operations as co-contaminants with the dust. Formaldehyde has an OSHA PEL of 0.75 ppm and Phenol has an OSHA PEL of 5 ppm.

Component Information		**Exposure limits**	
Component Name	**CAS #**	**TLV, TWA, ACGIH**	**OSHA PEL, TWA**
Cotton Fabric	Not Listed	0.2mg/m³ (dust)	0.5 mg/m³ (dust)
Phenol/formaldehyde Resin	Not Listed	10mg/m³ (dust)	15 mg/m³ (dust)

Eye Protection: Minimize dust generating activities. Wear safety goggles. Do not wear contact lenses.

Skin Protection: Wear gloves to protect from sharp edges and protective clothing.

Respiratory Protection: If personal exposure cannot be controlled by ventilation, wear a particulate respirator approved by NIOSH/MSHA to protect against dust.

Other: Emergency eye wash stations should be available if cutting or producing dust.

Section 9. Physical and Chemical Properties

Appearance:	Medium Brown Solid	**Lower Explosion Limit:**	Not Available
Odor:	Slight Phenol/Formaldehyde	**Upper Explosion Limit:**	Not Available
Odor Threshold:	Not Applicable	**Vapor Pressure:**	Not Applicable
pH:	Not Applicable	**Vapor Density:**	Not Applicable
Melting Point:	Not Available	**Relative Density:**	Not Available
Freezing Point:	Not Applicable	**Solubility:**	Not Soluble
Boiling Point and Range:	Not Applicable	**Auto-Ignition Temperature:**	Not Available
Flash Point and Method:	Not Applicable	**Decomposition Temperature:**	Not Available
Evaporation Rate:	Not Applicable	**Viscosity:**	Not Applicable
Flammability:	Not Flammable	**Specific Gravity;**	~ 1.36

Partition Coefficient (n-Octanol / Water): Not Applicable

Section 10. Stability and Reactivity

Reactivity: Product is non-reactive

Chemical Stability: Stable

Possibility of Hazardous Reactions: Thermal decomposition may produce oxides of carbon.

Conditions to Avoid: Protect from heat, sparks and flame

Materials to Avoid: Avoid contact with strong acids and bases.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, bromine and other hazardous gases may be generated under normal processing conditions.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Component	Oral LD_{50} (rat)	Dermal LD_{50} (rabbit)	Inhalation LC_{50} 4hr (rat)
Formaldehyde:	500 mg/kg	270 mg/kg	203 mg/m³
Phenol:	319 mg/kg	1500 mg/kg	316 mg/m³

Section 12. Ecological Information

As sold, this material is not classified as hazardous.

This material is not biodegradable.

Particulates generated during machining may be subject to Federal and State air pollution control laws. Phenol and formaldehyde are toxic to aquatic organisms.

Section 13. Disposal Considerations

Disposal Methods:

This material (as sold) is not classified as hazardous waste. Dispose of only by methods approved by and used in accordance with local, state and federal regulations for non-hazardous waste.

Particulates generated during machining and fabrication operations may be subject to Federal and State Air Pollution Control Laws.

Section 14. Transport Information

This product, as offered for shipment, is not regulated as a Hazardous Material.

UN Number: Not Applicable

UN Proper Shipping Name: Not Applicable

Transport Hazard Class: Not Applicable

DOT Classification: Not Applicable

Special Provision for Transport: Not Applicable

IMDG Code: Not Applicable. Not expected to be a marine pollutant

Transport Canada: Not Applicable.

Section 15. Regulatory Information

OSHA Hazard Communication Standard:
This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)

California (Proposition 65):
No components exceeding levels listed in "No significant Risk Levels" (NSRLs) for carcinogens or "Maximum Allowable Doses Levels (MADLs), as established in regulation title 27, California code of regulations.

Superfund Amendments and Reauthorization Act of 1986 Title III:
This product is not a hazardous chemical under 29CFR 1910.12000, and therefore is not covered by Title III of SARA.

Toxic Substance Control Act (TSCA):
All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.

HMIS Codes:

Health	1
Flammability	0
Reactivity	0
PPE	B

Section 16. Other Information

Revision Information: Revision 2 (May 22, 2015), Complete, to comply with HCS Standard 29 CFR 1910.1200(g). Update to new "SDS" format.

Additional information on this product may be obtained by calling 203-469-1337.

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, this should not be accepted as a guarantee of accuracy without confirming tests at your own facility. The above named manufacturer assumes no liability for accuracy or completeness of the information contained herein. The data relates only to the material as supplied and does not relate to combinations with other materials or processes.

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