

Material Safety Data Sheet

SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

AM1111

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P.O. Box 199
Stevensville, MI 49127

MANUFACTURER'S DUNNS NO. 08 383 8045

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASSES, HAZARD ID NO:

Phenol Formaldehyde Polymeric Molding Compound
D.O.T. shipping name: Plastics materials

CHEMICAL FAMILY: Phenolic molding compound

FORMULA: (HOC6H4-CH2)x

SECTION II - INGREDIENTS (LIST ALL INGREDIENTS)

CAS REGISTRY NO.	%W	%V	CHEMICAL NAMES	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) SPECIFY
N/A	5-15	N/A	Nuisance particulates	N/A

SECTION III - PHYSICAL DATA

Boiling point: N/A SPECIFIC GRAVITY = 1.32-2.20
(WATER = 1)

% Volatile by volume: N/A

Vapor pressure: N/A

Percent solid(s) by weight % = N/A

Vapor density (air = 1): N/A

Evaporation rate: N/A

Solubility in water: negligible pH N/A

Melting point: N/A

Material is Solid

Appearance and odor: Black powder

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: N/A

Flammable limits: LEL: .030 oz/ft³ UEL: no data

Extinguishing media: water, foam, dry chemical CO₂

Special fire fighting procedures: MSHA/NIOSH approved self-contained breathing apparatus when fighting fires in an enclosed area are recommended. Avoid inhalation of gases.

Unusual fire and explosion hazards: Organic dust/air mixtures are highly flammable (explosive). Avoid dust accumulations or dust-laden atmospheres and sources of ignition.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value: 10 mg/m³ total or 5/mg/m³ respirable dust

Permissible exposure limit: Phenol - CAS 108-95-2 OSHA PEL - 5 ppm ACGIH: TLV-TWA 5ppm, TLV STEL - 10ppm. Highly toxic - may cause kidney, liver or heart damage. Reported to be a tumor promoter. Formaldehyde - CAS #50-00-0 OSHA PEL - 3 ppm ACGIH; TLV-TWA - 1 ppm, TLV-STEL - 2ppm. Irritant to eyes lungs and skin. Has been shown to cause cancer in laboratory animals, listed as an IARC carcinogen. National Cancer Institute study finds little evidence to connect formaldehyde exposure with cancer in humans. Ammonia CAS # 7664-41-7 OSHA PEL - 50 ppm ACGIH: TLV-TWA 25ppm, TLV-STEL - 35 ppm. Irritant to eyes, mucous membrane and respiratory tract.

Other limit: N/A

Effects of overexposure: vapors evolved during polymerization or decomposition may cause irritation to eyes, lungs, and skin.

Primary routes of entry: Inhalation

Emergency and first aid procedures: Use with adequate ventilation. If breathing is affected, remove to fresh air. If breathing stops, apply mouth to mouth resuscitation. Get medical attention.

Skin contact - wash thoroughly with soap and water

Eye contact - irritant. Immediately flush eyes with copious amounts of water for at least 15 minutes. Get medical attention.

Ingestion - DO NOT induce vomiting. Dilute by drinking large quantities of water. If vomiting occurs, administer more water. Get medical attention.

SECTION VI REACTIVITY DATA

Stability: stable

Conditions to avoid: Avoid dust buildup in storage and manufacturing area

Incompatibility: (material to avoid) none known

Hazardous decomposition products: Phenol, formaldehyde, ammonia, carbon monoxide, carbon dioxide.

Hazardous polymerizations: should not occur.

Conditions to avoid: vapors evolved during polymerization may contain phenol, formaldehyde, ammonia.

SECTION VII SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled: vacuum or sweep with sweeping compound, sawdust, or sand. Avoid generating dust.

Waste disposal: bury or incinerate;

Comply with state, federal, and local regulations.

Reportable quantities in lbs.:

CERCLA N/A SARA N/A OTHER N/A

RCRA hazardous waste number(s): N/A

Volatile organic compounds (VOC) (as packaged minus water).

Theoretical (lbs/gal): N/A Analytical (lbs/gal): N/A

SECTION VIII SPECIAL PROTECTION

Eye protection: Safety glasses with eye shields

Skin protection: gloves

Respiratory protection: NIOSH approved respirators recommended if TLV's are exceeded

Ventilation Local Exhaust (specify rate): to remove dust and vapors evolved during use

Special: N/A

Requirements Mechanical (General) (Specify rate): dust collection system

Other: explosion proof motor

Other: N/A

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing and/or other precautions:

Observe good housekeeping practices. Store in cool, dry place. Keep containers closed to avoid contamination. Prevent accumulations of dust

during processing. Use adequate ventilation.

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Date prepared: September 1, 2013

Prepared by: Ken Mantei