



MSDS - Ameri-Bond 2X

Issued January 29, 2008

Section 1. Product Identification

Common Name: Calcium and/or Sodium and/or Ammonium Lignosulfonate

Physical State: Powder

Chemical Formula: Amorphous Polymer

CAS No: 8061-52-7, 8061-51-6 and/or 8061-53-8

Chemical Family: Wood Chemicals

Distributed by: Pestell Minerals & Ingredients, New Hamburg, ON Canada

24 Hour Emergency Telephone: (Canutec) 613-996-6666

Section 2. Hazardous Ingredients

Principal Hazardous Components: None know

Section 3. Physical Data

Boiling Point: N/A

Freezing Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

% Volatiles by Wt: 7.5 (water)

Appearance & Odor: Brown powder, slight odor

Specific Gravity (25C): N/A

pH (3% Soln): 4.0

Bulk Density (g/ml): 0.37 - 0.56

Solubility in Water: 100% Soluble

Evaporation Rae: N/A

Water/Oil Dist. Coeff: 100% in water

Section 4. Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable

Auto Ignition Temperature: 400C for dust

Flammable Limits in Air, % by Volume: Lower - 0.2oz/cu.ft. Upper - 3.5oz/cu.ft.

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, alcohol type or universal type

foams applied by manufacturers recommended techniques

Special Fire Fighting Procedures: Use supplied breathing air and protective clothing

Unusual Fire and Explosion Hazards: Flammable solids may provide conditions for dust explosion

Section 5. Reactivity Data

Stability: Product is stable

Incompatibility: None

Conditions to Avoid: Contact with strong oxidizing agents

Materials to Avoid: Addition of alkali could result in release of ammonia

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

Hazardous Decomposition Products: Sulfur dioxide, carbon dioxide and carbon monoxide

Section 6. Toxicological Properties

Threshold Limit Values: OSHA PELV = 15mg/M3 for dust

Minimize contact with eyes, skin, clothing

LD50>2000mg/kg (acute oral rat) for similar products

Carcinogen Listings - NTP/IARC: Not a carcinogen

Primary Route(s) of Entry: Skin contact, eye contact, inhalation

Symptoms of Overexposure: No effects of overexposure to lignosulfonates are known

Conditions Aggravated by Exposure: None known

Irritancy of Material: None known

Sensitization to Material: May cause allergic reaction in rare cases

Teratogenicity: None known

Mutagenicity: None known

Reproductive Toxicity: None known

Synergistic Substances: None known

Section 7. Preventive Measures

Ventilation Requirements: Adequate ventilation for comfort is recommended

Respiratory Protection: Full respiratory protection program recommended. NIOSH approved dust mask is recommended.

Protective Gloves: Gloves recommended for prolonged exposure

Eye Protection: Goggles recommended for prolonged exposure

Other Protective Equipment: Clothing which contacts skin should be changed daily

Special Precautions

Repair/Maintenance of Contaminated Equipment: None required

Hygiene in Handling and Storage: Personal hygiene is strongly encouraged so all clothing items are changed daily.

Other: Normal precautions common to good manufacturing practice should be followed.

Spill or Lead Procedure

Spill Response: Mechanically collect and remove spilled material. Area may be washed with water

Neutralizing Chemicals: None required

Waste Disposal Method: Incinerate, bury or flush to sewer following applicable regulations

Section 8. First Aid

Eyes: Irrigate with potable water

Skin: Skin should be flushed with clean water

Inhalation: Remove from dusty area

Ingestion: Give water to dilute and get medical attention

Notes to Physician: Very low toxicity

Disclaimer

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