

## Safety Data Sheets

Revised by: Pestell Minerals and Ingredients Inc.	Revision Date: 21 June 2017
141 Hamilton Road, New Hamburg, ON N3A 2H1 Phone: 519-662-2877; Email: qa@pestell.com Emergency Response: CANUTEC 24hs: 613-996-6666	

Product No.: 115400S	Desc: AMERI-BOND 2X	French:
Replaces :All Previous		Tel.:

### 1. Product Identification

Common Name	Calcium and/or Sodium and/or Ammonium and/or Magnesium Lignosulfonate
Synonyms	See Above
CAS Numbers	8061-52-7

### 2. Hazards Identification

### 3. Composition / Ingredients

### 4. First Aid Measures

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.

### 5. Fire Fighting Measures

Extinguishing Media universal-type	: Use water spray, carbon dioxide, dry chemical, alcohol -type or
Improper Extinguishing Media	: Foams applied by manufacturer's recommended techniques.
Special Fire Fighting Procedures	: Avoid water in straight hose stream; will scatter and spread fire. ::
Fire and Explosion Hazards	: Use supplied breathing air and protective clothing.
	: Flammable solids may provide conditions for a dust explosion.

### 6. Accidental Release Measures

Personal Precautions:	: Use personal protection recommended in Section 8.
Environmental Precautions groundwater and soil.	: Avoid infiltration of large quantities into drains, surface water,
Methods for Containment	: Provide ventilation and confine spill.
Methods for Clean-up with water.	: Mechanically collect and remove spilled material. Area may be washed

## 7. Handling and Storage

---

Handling Precautions : Material has low toxicity, therefore risk of damage is limited in normal handling. Minimize dust generation and accumulation. Ensure adequate ventilation.

Storage : Store under dry conditions.

---

## 8. Exposure Controls

---

OSHA PELV Exposure Control Respiratory Protection : 15 mg/M3 (total) and 5 mg/M3 (reparable) (dust as PNOR) : Adequate ventilation for comfort is recommended.  
: Full respiratory protection program recommended.  
: NIOSH approved dust mask recommended.

Hand Protection Eye Protection Personal Protection : Gloves recommended for prolonged exposure.  
: Goggles recommended for prolonged exposure.  
: Clothing which contacts skin should be changed daily.

---

## 9. Physical and Chemical Properties

Physical State	Powder
pH	3-7
Boiling Point (c)	Not Applicable
Freezing Point (c)	Not Applicable
Melting Point (c)	>130C
Vapor Pressure (mm Hg)	Not Applicable
Vapor Density (Air = 1)	Not Applicable
Appearance & Odor	Brown powder with slight odor
Specific Gravity	Not Applicable
Dry Matter, %	92 - 97%
Bulk Density	0.37 - 0.56
Solubility in Water	100% Soluble
% Volatiles by Weight	7.5 (water)
Evaporation Rate	Not Applicable
Water/Oil Dist. Coefficient	100% in water
Auto Ignition Temperature	400 C for dust
Flammable Limits in Air	
Lower	0.2 oz./cu.ft.
Upper	3.5 oz./cu.ft.

## 10. Stability and Reactivity

---

Stability : Stable

Incompatible Materials : Contact with strong oxidizing agents.

Conditions to Avoid : In common with many other organic chemicals, the product may in certain circumstances form flammable dust clouds in air.

Hazardous Polymerization : Will not occur

Hazardous Decomposition Products : Typical combustion products.

---

11. Toxicological Information

LD50: : >2,000 mg/kg  
 Skin Contact Eye : Not classified as irritating to skin.  
 Contact Sensitization : Not classified as eye irritant.  
 CHRONIC TOXICITY : May cause allergic reaction in rare cases.  
 Carcinogenic Listings : Product/Similar Product : Not a carcinogen :  
 Mutagenicity : None Known.

12. Ecological Information

PRODUCR/SIMILAR PRODUCT

Biological oxygen demand (BOD) : 0.26 lbs BOD/lb of solids. Partially biodegradable.  
 Chemical oxygen demand (COD) : 0.91 lbs COD/lb of solids

13. Disposal Information

General Regulations : Dispose or destroy in accordance with official recommendations and applicable legislation.

14. Transportation Information

Shipping Name - DOT Lignin Pitch - Class 55  
 Harmonized Tariff Code 3804.00.1000-0 Not  
 Hazard Class - DOT Restricted Not  
 Hazard Class - IATA UN Restricted Excluded  
 Number EU Classified as  
 Dangerous Goods: No

15. Regulatory Information

PRINT REGULATORY INFORMATION : Yes

Global Chemical Inventory Status

Country	List	Status
United States	Toxic Substance Control Act (TSCA)	Included
Canada	Domestic Substance List (DSL)	Included
Europe	European Inventory of Existing Chemical Substances (EINECS)	Exempt - Polymer
Australia	Australian Inventory of Chemical Substances (AICS)	Included
Japan	Existing and New Chemical List (ENCS)	Included
Korea	Korean Existing Chemical List (ECL)	Included
Philippines	Philippine Inventory of Chemicals and Chemical	Included

	Substances (PICCS)	
China	Chemical Inventory INV (CN) - IECSC	Included
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Included

EC-Label :No

Not classified as dangerous for supply or conveyance - Marpol, Annex II, Appendix III.

Regulation (EC) 1907/2006 (REACH) (September 2008): Exempt from registration

#### 16. Other Information

HMIS Rating : 110

Insert Regulations

Insert Feed CFR's 0

Toxicity Data : Lignosulfonates are non-toxic & non-irritating. Government regulations for use of lignosulfonates are summarized below:

Arc long : Agriculture Canada Animal Feeds. File No. 832.2B2.  
: 40 CFR 180.910; 180.920; 180.930 - Pesticides for Food  
: 21 CFR 176.120; 176.170; 176.180; 178.3120 - Paper  
: 21 CFR 173.310 - Boiler Water  
: 21 CFR 172.715; 182.99 - Pesticides for Food

Arc Short : 21 CFR 176.210 - Defoamers  
: 21 CFR 177.1210 - Gaskets  
: 21 CFR 175.105 - Adhesives  
: 21 CFR 573.600 - Animal Feeds  
: 21 CFR 582.99 - Substances generally recognized as safe.

The information contained herein is believed to be accurate and reliable as of the date hereof. However, Pestell Minerals & Ingredients makes no representation, warranty or guarantee as to results or as to the information's accuracy, reliability or completeness. Pestell Minerals & Ingredients has no liability for any loss or damage that may result from use of the information. Each user is responsible to review this information, satisfy itself as to the information's suitability and completeness, and circulate the information to its employees, customers and other appropriate third parties