

# Safety Data Sheet

## PELHESION POWDER

Issued: 29-05-2015

### SECTION 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

**Trade name:** PELHESION POWDER  
**Synonyms:** Calcium lignosulfonate, Urea formaldehyde condensation polymer

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended uses:** Binder Additive to animal feed

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

**Company:** LignoTech USA, Inc  
**Address:** 100 Grand Avenue  
Rothschild, WI 54474-1198  
**Country:** UNITED STATES  
**E-mail:** customer@ltus.com  
**Phone:** +1(715)359-6544  
**Fax:** +1(715)355-3648

#### 1.4. Emergency Telephone Number

+1(715)359-6544 (Emergency phone) +1(800)424-9300 (Chemtrec phone) (24h)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**CLP Classification - other information:** The product does not have to be classified.

#### 2.2. Label elements

**Signal word:** Warning

#### 2.3. Other hazards

Nuisance dust. OSHA Hazard Category: Combustible Dust. Warning. May form combustible dust concentrations in air.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	DSD-Classification	CLP-classification
Urea formaldehyde condensation polymer	9011-05-6			~ 47.5%			

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Calcium lignosulfonate	8061-52-7			~ 47.5%			
Water	7732-18-5	23-17-912		~ 5%			

Please see section 16 for the full text of R-phrases and H-phrases.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
<b>Skin contact:</b>	Wash skin thoroughly with soap and water. Contact physician if irritation persists. Immediately remove contaminated clothes and wash before reuse.
<b>Eye contact:</b>	Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open). Immediately rinse with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

Nuisance dust.

#### 4.3. Indication of any immediate medical attention and special treatment needed

None.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam, carbon dioxide or water mist.
<b>Unsuitable extinguishing media:</b>	Do not use water stream, as it may spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Note the risk of dust explosion.

#### 5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Avoid formation of dust. Provide good ventilation.

#### 6.2. Environmental precautions

Avoid unnecessary release to the environment. Prevent spillage from entering drains and/or surface water.

#### 6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

#### 6.4. Reference to other sections

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See section 8 for type of protective equipment. See section 13 for instructions on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid formation of dust. Work under effective process ventilation (e.g. local exhaust ventilation).

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area. Avoid accumulation of dust.

#### 7.3. Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit

Substance name	Time period	ppm	mg/m3	Comment	Remarks
formaldehyde ...%	-	2		OSHA PEL STEL (short term airborne exposure limit (15 minutes))	
formaldehyde ...%	8h	0.75		OSHA PEL TWA	
formaldehyde ...%	-	0.5		OSHA regulates as potential carcinogen	
Nuisance dust (OSHA PELV)	8h		15	total	
Nuisance dust (OSHA PELV)	8h		5	respirable	

#### 8.2. Exposure controls

**Appropriate engineering controls:** Provide good ventilation.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of dust contact with eyes.

**Personal protective equipment, hand protection:** Chemical resistant gloves required for prolonged or repeated contact.

**Personal protective equipment, skin protection:** In the event of direct skin contact, wear protective gloves: Use suitable protective clothes.

**Personal protective equipment, respiratory protection:** Wear respiratory protective equipment with P2 filter when performing dusty work. NIOSH approved dust mask recommended.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Powder
Colour	Brown
Odour	Mild
Solubility	Water soluble.

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Explosive properties	
Oxidising properties	

Parameter	Value/unit	Remarks
pH (solution for use)	3.5 - 5.5	(3% sol)
pH (concentrate)		Not applicable.
Melting point	°C	Not applicable.
Freezing point	°C	Not applicable.
Initial boiling point and boiling range	°C	Not applicable.
Flash Point	°C	Not applicable.
Evaporation rate		Not applicable.
Flammability (solid, gas)		Not applicable.
Flammability limits		Not applicable.
Explosion limits	vol%	Not known.
Vapour pressure	kPa	Not applicable.
Vapour density		Not applicable.
Relative density		Not applicable.
Partition coefficient n-octanol/water		100% Water.
Auto-ignition temperature	°C	Not known.
Decomposition temperature	°C	Not known.
Viscosity	cSt	Not applicable.
Odour threshold	ppm	Not applicable.

### 9.2 Other information

Parameter	Value/unit	Remarks
Density	0.37 - 0.56 g/ml (bulk density)	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid formation of dust. Avoid spark due to static electricity.

### 10.5. Incompatible materials

Avoid contact with acids. Avoid contact with strong oxidizers.

### 10.6. Hazardous decomposition products

Typical combustion products.

## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

<b>Acute toxicity - oral:</b>	Based on existing data, the classification criteria are deemed not to have been met.
<b>Acute toxicity - inhalation:</b>	The product does not have to be classified. On warming/heating, the vapours emitted may cause irritation to the respiratory organs. Symptoms may include coughing or shortness of breath, nausea, headaches, or dizziness.
<b>Skin corrosion/irritation:</b>	The product does not have to be classified.
<b>Serious eye damage/eye irritation:</b>	The product does not have to be classified. Emits irritating vapours on heating.
<b>Respiratory sensitisation or skin sensitisation:</b>	UFCP contains formaldehyde which may cause cancer. Repeated or prolonged exposure to formaldehyde may cause skin sensitization, dermatitis, or other allergic reactions. The degree of sensitivity varies with individuals.
<b>Germ cell mutagenicity:</b>	None known.
<b>Carcinogenic properties:</b>	The International Agency of Research on Cancer (IARC) classifies formaldehyde as a carcinogen. The National Toxicology Program (NTP) includes formaldehyde in its Annual Report on Carcinogens.

## SECTION 12: Ecological information

### 12.1. Toxicity

### 12.2. Persistence and degradability

Partially biodegradable

### 12.3. Bioaccumulative potential

No bioaccumulation expected.

### 12.4. Mobility in soil

Solubility in water: Completely miscible

### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with Local Authority requirements.

## SECTION 14: Transport information

<b>14.1. UN-No.:</b>	Not applicable.	<b>14.4. Packing group:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.	<b>14.5. Environmental hazards:</b>	Not applicable.

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**14.3. Transport hazard class(es):** Not applicable.

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable.

**Other Information:** DOT Class 55 Lignin Pitch - Harmonized Tariff Code for US:3804.00.1000-0 Feed Supplement, Class 50; NMFC #67070

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Special Provisions:** ADR/RID (2007) ECHA FAQ 7.7. GHS / CLP (EC NO1272/2008) GHS USA June, 2015.

**Authorisations / limitations:** Global inventory status: Australia: On AICS Australian Inventory of Chemical Substances, June 1996 Ed Canada: On DSL Supplement to Canada Gazette, Part I, January 26, 1991 China: On IECSC Inventory of Existing Chemical Substances in China, 2013 Japan: On ENCS Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 8-209. Korea: On ECL Korean Existing Chemicals List, January 1997, ECL Serial No.: KE-04572 Mexico: On INSQ National Inventory of Chemical Substances in Mexico, 2012 New Zealand: On NZIoC New Zealand Inventory of Chemicals, 2006 May be used as a single component chemical under an appropriate group standard. Philippines: On PICCS Philippines Inventory of Chemicals and Chemical Substances, 2000 Switzerland: On SWISS Giftliste 1 (List of Toxic Substances 1), 31 May 1999, SWISS No.: G-44534 USA: On TSCA Inventory January 2015 TSCA Inventory EPA Flags: XU Exempt from Update Rule

### 15.2. Chemical Safety Assessment

**Other Information:** SARA 302/304/311/312 Extremely hazardous substance: Formaldehyde (concentration <0.1%) SARA 302/304/311/312 Emergency planning and notification: Formaldehyde (concentration <0.1%) Clean air act (CAA) 112: Accidental release prevention: Formaldehyde SARA 313 Reporting requirement: Formaldehyde CAS # 50-00-0 Concentration: <0.1% State lists: Formaldehyde: CA Prop 65, MA, MN, NJ, PA California Proposition 65: Warning! This product contains chemicals known to the state of California to cause cancer. Ingredient: Formaldehyde; Cancer; No significant risk level: 40 micrograms/day: Maximum acceptable dosage level: Not available.

## SECTION 16: Other information

**Other Information:** Government regulations for use of this product are summarized below: AAFCO 87.2 - Pelletting aid for animal feeds. Agriculture Canada Animal Feeds, File No. 832,282. CFIA Registration #983510 Urea formaldehyde resins are approved for use in contact with food and as a pelletting aid for animal feed. Government regulations are summarized below: 21CFR177.1900-Food contact surfaces. AAFCO87.19-Pelletting aid for animal feeds. CFIA8.2-Polymethylolcarbimide for use as a pelletting aid.

**Vendor notes:** Information given in this safety data sheet is in accordance with our information, and to the best of our knowledge, was correct on the last revision date. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and

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understood by all who use, handle, dispose of or in any way come in contact with the product.

### List of relevant H-statements

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.

**Document language:** GB