

Safety Data Sheet

MARASPERSE N-22 - POWDER

Issued: 15-05-2015

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

1.1. Product identifier

Trade name: MARASPERSE N-22 - POWDER

Synonyms: Sodium lignosulfonate

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

Recommended uses: Binder Dispersing agent

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
Sodium lignosulfonate	8061-51-6			≥ 91%			
Water	7732-18-5	23-17-912		≤ 9%			

Safety Data Sheet

MARASPERSE N-22 - POWDER

Issued: 15-05-2015

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

Inhalation:	Seek fresh air.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Skin contact:	Wash the skin with water. Remove contaminated clothing.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

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

Suitable extinguishing media:	Extinguish with powder, foam, carbon dioxide or water mist.
Unsuitable extinguishing media:	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

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

SECTION 7: Handling and storage

Safety Data Sheet

MARASPERSE N-22 - POWDER

Issued: 15-05-2015

7.1. Precautions for safe handling

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
Nuisance dust (OSHA PELV)	8h		15	total	
Nuisance dust (OSHA PELV)	8h		5	respirable	

Biological threshold values: Avoid formation of dust.

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, skin protection: In the event of direct skin contact, wear protective gloves:

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.
Explosive properties	
Oxidising properties	

Parameter	Value/unit	Remarks
pH (solution for use)	8	(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.

Safety Data Sheet

MARASPERSE N-22 - POWDER

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Flammability limits		Not applicable.
Explosion limits	vol%	LEL: 0.2 oz./cu.ft. UEL: 3.5 oz./cu.ft.
Vapour pressure	kPa	Not applicable.
Vapour density		Not applicable.
Relative density		Not applicable.
Partition coefficient n-octanol/water		100% Water.
Auto-ignition temperature	> 400 °C	(for dust)
Decomposition temperature	> 200 °C	
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)	
Combustible Dust Characteristics		MIE: 1130 mJoule; Kst: St1 (0-200 bar*m/s); Part size: 100% < 150 micron.

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

Strong oxidisers.

10.6. Hazardous decomposition products

Typical combustion products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat			> 7000mg/kg			

Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation: The product does not have to be classified.

Safety Data Sheet

MARASPERSE N-22 - POWDER

Issued: 15-05-2015

Skin corrosion/irritation: The product does not have to be classified.

Serious eye damage/eye irritation: The product does not have to be classified.

Respiratory sensitisation or skin sensitisation: None known.

Germ cell mutagenicity: None known.

Carcinogenic properties: The product does not have to be classified.

SECTION 12: Ecological information

12.1. Toxicity

Sodium lignosulfonate

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Acute algae	Scenedesmus subspicatus	24, 48, 72h	EC50	> 600mg/l			Similar product
Acute Daphnia	Daphnia magna	24, 48h	EC50	> 1000mg/l			Similar product
Acute fish	Brachydanio rerio		EC50	> 1000mg/l			Similar product

No effect on the environment. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Partially biodegradable BOD: 300g O₂/kg (0.25% solution) & COD: 1200g O₂/kg (0.25% solution)

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

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

Safety Data Sheet

MARASPERSE N-22 - POWDER

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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

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: The product does not have to be classified.

SECTION 16: Other information

Other Information: Government regulations for use of this product are summarized below: 21 CFR 175.105 - Adhesives 21 CFR 176.120; 176.170; 176.180; 178.3120 - Paper and paperboard components 21 CFR 176.210 - Defoamers 21 CFR 177.1210 - Polymers 21 CFR 573.600 - Animal feed 21 CFR 582.99 - Substances generally recognized as safe 40 CFR 180.910; 180.920; 180.930; 21 CFR 172.715; 182.99 - Pesticides for Food

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

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