

Australian Industrial Additives Pty Ltd

ABN: 54 098 340 062

Cost Effective Technologies



MATERIAL SAFETY DATA SHEET ACCORDING TO 91/155/EEC

Date: January 2010

1. Identification of the substance and Company of supply

Commercial name:

Lignospense™ NA 100 / Powder Sodium

Supplier:

Lignosulphonate
Australian Industrial Additives Pty. Ltd
1 Shelley Court
Kilsyth Victoria 3137
Australia
Telephone: + 61 3 97259077
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2. Composition/ information on ingredients

Chemical characterization:

Sodium lignosulphonate from double fermented spruce wood sulphite liquor.

Identification number:

CAS N° 8061-51-6
(Sodium lignosulphonate).

Description: Brown powder.

Dangerous ingredients:

None.

3. Hazards identification

Health hazards:

None.

Critical hazards to the environment:

None

4. First aid measure

Skin contact:

Wash with water.

Inhalation:

Inhale fresh air.

Contact with eyes:

Rinse out with water.

Having swallowed:

Drink water.

5. Fire-Fighting Measures

Fire extinguishing media

Water, CO₂ and foam.

Hazardous decomposition products:

None.

Special protective equipment:

Respiratory mask.

Auto-ignition temperature:

Approximately 250-300°C.

6. Accidental release measures

Personal precautions:

Avoid inhalation, contact with skin and eyes.

Environmental precautions:

Avoid dispensing of large quantities into soil, surface and ground water.

Cleaning up methods:

Contain spill and then clean up with copious amounts of water.

Dispose according to section 13.

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7. Handling and storage

Handling	Usual protection for handling of chemicals. Avoid dust generation. Ensure adequate ventilation when handling. Dust mask is recommended.
Storage:	Must be stored under dry conditions.
Incompatible materials:	None.

8. Exposure control/personal protection

Technical measures/ precautions:	Sufficient ventilation.
Personal protection:	
respiratory protection:	Respiratory protection is recommended.
hand protection	Not necessary.
eyes protection:	Safety goggles are recommended.
body protection:	Not necessary.

9. Physical and chemical properties

Appearance:	Powder.
Colour:	Brown.
Odour:	Slight odour similar to coffee.
pH (10% solution):	4.5-5.5
Dry matter, %:	min. 95
Bulk density (tamped), kg/m ³ :	min. 400
Melting point/melting range:	>140°C
Boiling point/boiling range (50% solution):	102°C
Flash point:	Not applicable.
Explosive properties:	Not explosive.
Auto-ignition temperature:	> 250°C
Solubility in water:	Soluble.
Solubility in organic solvents:	Insoluble in polar solvents.

10. Stability and reactivity

Product is stable for several years under dry storage conditions.	
Conditions to avoid:	Dusting.
Materials to avoid:	Not known.
Hazardous decomposition products:	Not known, in normal conditions of use.

11. Toxicological information

LD ₅₀ oral (rats):	> 2500mg/kg.
Dermal:	Non irritant.
Eyes:	Non irritant.

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12. Ecological information

Limit of tolerance concentration in fish inhabited water: 10mg/L.

LD ₅₀ for fish:	> 500mg/L.
BOD ₅	about 300g/L
COD	about 1200g/L
Total time of biological and chemical oxidation:	150 days

13. Disposal consideration

Both residues of product and its packaging can be given to qualified waste disposal or incinerating plant according to the local authoritative regulation.

14. Transport information

Product can be transported without any limitations.

15. Regulatory information

Labeling:	The product is not subject to identification regulations under EEC Directives.
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16. Other information

None.

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