

Safety Data Sheet

Borrebright Na

Revision date: 24/04/2015

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

1.1. Product identifier

Trade name: Borrebright Na

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

Inadvisable uses: None.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Borregaard AS
Address: P.O.Box 162
Zip code: N-1701 SARPSBORG
Country: NORWAY
Phone: +47 69 11 80 00
Fax: +47 69 11 86 40
Contact person: Name: Nina Faye Haraldstad, E-mail: MSDS@borregaard.com

1.4. Emergency Telephone Number

+47 22 59 13 00 (National dept.for poisons information (Norway)) (24 h) +47 69 11 88 88 (Borregaard emergency no.) (24 h)

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

Contains

Substance: Sodium lignosulphonate

2.3. Other hazards

None.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Sodium lignosulphonate	8061-51-6			> 90%		

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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, wash out mouth with water and blow nose thoroughly.
Ingestion:	Seek medical advice in case of discomfort.
Skin contact:	Wash the skin thoroughly with water and continue washing for a long time.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

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

None known.

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

None known.

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

Avoid formation of dust.

5.3. Advice for fire-fighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Avoid unnecessary release to the environment. Prevent spillage from entering drains and/or surface water. Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Do not sweep - use vacuum cleaner to collect spillage.

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6.4. Reference to other sections

See section 13 for instructions on disposal.

Other Information: Avoid formation of dust.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work. Avoid formation of dust. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

Can be irritating after prolonged skin contact.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m3	Comment	Remarks
Nuisance dust, total	8h	0	10		

Measuring methods: Avoid formation of dust.

8.2. Exposure controls

Appropriate engineering controls: Provide good ventilation. Avoid formation of dust.

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

Personal protective equipment, hand protection: Wear suitable protective clothing. In the event of direct skin contact, wear protective gloves.

Personal protective equipment, respiratory protection: Inhalation of dust may cause irritation to the upper airways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Powder
Colour	Yellowish Brown
Odour	Mild
Solubility	
Explosive properties	
Oxidising properties	

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Parameter	Value/unit	Remarks
pH (solution for use)	4.5 - 5.5	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	~550 kg/m ³	

Other Information: Solubility in water: Highly soluble

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The substance is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with the following: Strong acids. Oxidisers.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity - oral

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 7000mg/kg			

Acute toxicity - dermal: No hazards.

Acute toxicity - inhalation: No hazards.

Serious eye damage/eye irritation: No hazards.

SECTION 12: Ecological information

12.1. Toxicity

No effect on the environment.

12.2. Persistence and degradability

Expected to be biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Solubility in water: Complete

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Prevent spillage from entering drains and/or surface water.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

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

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

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None.

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

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: ADR/RID (2007).REACH (EC 1907/2006)ECHA FAQ 7.7GHS / CLP (EC NO1272/2008)
GHS USA June, 2015.

15.2. Chemical Safety Assessment

Other Information: The product does not have to be classified.

SECTION 16: Other information

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.

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

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