

# Safety Data Sheet

## Borresperse NA

Replaces date: 28/09/2016

Revision date: 29/05/2017  
Version: 1.4.0

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

#### 1.1. Product identifier

Trade name: Borresperse 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: 1701 Sarpsborg  
Country: NORWAY  
Company: DaeMyung chemical Corporation  
Phone: T. +82-2-462-3857

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

### SECTION 2: Hazards identification

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

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

#### 2.2. Label elements

##### Contains

Substance: Sodium lignosulfonate

#### 2.3. Other hazards

May form explosible dust-air mixture if dispersed

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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

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Water	7732-18-5	231-791-2		< 10%		
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Please see section 16 for the full text of H-phrases.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air, wash out mouth with water and blow nose thoroughly.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
<b>Skin contact:</b>	Wash the skin with water. Wash contaminated clothing before reuse.
<b>Eye contact:</b>	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

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.

### SECTION 6: Accidental release measures

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

**For non-emergency personnel:** In case of insufficient ventilation, wear respiratory protective equipment.

#### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

#### 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.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

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

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

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	Comments	Remarks
Sodium lignosulfonate	8h	0	5	(støv)	

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

#### 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:** Wear suitable protective clothing.

**Personal protective equipment, hand protection:** Wear gloves.

**Personal protective equipment, respiratory protection:** Wear respiratory protective equipment with P2 filter when performing dusty work.

### 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	Solubility in water: Complete
Explosive properties	No data
Oxidising properties	No data

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Parameter	Value/unit	Remarks
pH (solution for use)	7 ~ 10	
pH (concentrate)	No data	
Melting point	> 130 °C	
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	> 158 °C	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

### 9.2 Other information

Parameter	Value/unit	Remarks
Density	520 kg/m <sup>3</sup>	

**Other Information:** Auto-ignition temp(SIT):0,1 litre/>184°C. 0,4 l/>175°C. 1,7 l/>158°C.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

The product 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/ Strong alkalis/ Oxidisers.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

#### Acute toxicity - oral

##### Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg			Similar product

No hazards.

#### Skin corrosion/irritation

##### Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating	OECD 404	Similar product

#### Serious eye damage/eye irritation

##### Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating	OECD 405	Similar product

No hazards.

#### Respiratory sensitisation or skin sensitisation

##### Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse				Non-sensitising	OECD 429	Similar product

#### Carcinogenic properties

##### Sodium lignosulfonate

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Bacteria				Not mutagenic	Ames test	Similar product

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Sodium lignosulfonate

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

No effect on the environment.

### 12.2. Persistence and degradability

Expected to be biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation expected.

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### 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

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)

### 15.2. Chemical Safety Assessment

Other Information: The product is exempt from REACH registration. This product is exempt from the requirements of a tolerance in Subpart D 40 CFR 180.910 and 40 CFR 180.930.

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.3.0	28/09/2016	Borregaard AS	NIHA

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1.4.0	29/05/2017	Borregaard AS	Section 1, 8, 15
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**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.

**Document language:**

GB