

Borresperse NA

Product Description

Borresperse NA is based on sodium lignosulphonate derived from spruce wood sulphite liquor. Borresperse NA is a brown water-soluble powder.

Typical applications: Dispersants for dyestuff, agrochemicals, industrial cleaners and water-treatment, plasticizer for concrete.

CAS No. 8061-51-6 (Sodium lignosulphonate).

Sales Specifications

		Test Method
Dry matter %	Min. 93.0	BLT-308
Calcium %	Max. 0.6	BLT-314
pH (10% Solution)	8.3 ± 0.8	BLT-327
Insolubles (w/w) %	Max. 0.3	
Na ₂ SO ₄ %	Max. 5.0	

Only active customers are notified of specification changes.

Typical Analysis*

Chemical Data

Parameter	Unit
Sodium	9 %
Sulphur	7 %
Reducing sugars	1 %

Physical Data

Parameter	
Colour	Brown

*The above analyses are not formal specifications and values may change.

Storage Stability:

Under dry conditions, powder products remain stable for several years.

Compatibility:

Lignosulfonates are compatible with anionic and non-ionic materials, dispersants, wetting agents and most organic and inorganic materials.

Packaging:

Powder is packaged in 25 kg net weight multiwall kraft bags or 500, 600, 1000 and 1200 kg non-returnable bulk bags.

Lead Time:

Two weeks lead time is typical.

Safety Data Sheets are available upon request.

Please contact your LignoTech Sales Representative for additional product information.

The information given here is based on our best knowledge and we believe it to be true and accurate. However, Borregaard LignoTech does not warrant or guarantee in any manner whatsoever, including the warranty of merchant-ability or fitness for the end user the accuracy of the information and procedures listed herein and will not be responsible for any damage resulting from their use.

SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 24/10/2003

Internal No.:

Replaces date: 13/12/2001

Borresperse NA

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME

SYNONYMS

CAS No.

National manufacturer/importer

Enterprise

Address

Postal code

Country

Telephone

Fax

Name

Anne Sandtorp

Tel. (work)

Emergency Telephones

Emergency Phone

2. COMPOSITION / INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	Sodium lignosulfonate		8061-51-6	50-100	No classification required

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

3. HAZARDS IDENTIFICATION

GENERAL

None

HEALTH

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FIRE AND EXPLOSION

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ENVIRONMENT

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4. FIRST AID MEASURES

INHALATION

Move the exposed person to fresh air at once.

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SKIN CONTACT

Rinse the skin immediately with lots of water.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open).

INGESTION

Drink plenty of water. Contact physician if symptoms appear.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water, dry powder, foam and carbondioxide (CO2)

IMPROPER EXTINGUISHING MEDIA

Avoid water in straight hose stream; will scatter and spread fire.

FIRE AND EXPLOSION HAZARDS

The product may in certain concentrations and at temperatures above 450 dg.C cause dust exposition.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Use a respirator and other protective equipment.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Mechanical ventilation or local exhaust may be necessary. Avoid dust formation in confined areas.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Avoid release of significant quantities of the product to water sources, sewers or the environment.

METHODS FOR CLEANING UP

Collect with vacuum cleaner or carefully sweep together and collect. Avoid generation and spreading of dust. Rinse clean with water.

OTHER INFORMATION

Collect in containers and seal securely.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Preparation has low toxicity, therefore risk of damage is limited in normal handling.

STORAGE

Keep container dry.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Provide good ventilation.

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RESPIRATORY PROTECTION

Wear respirator if there is dust formation.

EYE PROTECTION

Wear approved goggles.

HAND PROTECTION

The product is not classified as a skin irritant, but use of gloves is recommended.

PROTECTIVE CLOTHING

Wear suitable protective clothing.

OEL value

Ingredient name	Cas nr.	Interval	ppm	mg/m ³	Year	Notification
Nuisance dust, total		8 h		10,0	2001	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Powder.Free-flowing liquid.
Colour Brownish.
Odour slightly
Solubility Soluble in water.

Physical and chemical parameters

Melting point/range:	>130 °C	Density:	520 kg/m ³
Vapour pressure:	Not relevant	Saturation conc.:	
pH solution:	7-10 (10%løsn)	Boiling point/range:	not relevant

10. STABILITY AND REACTIVITY

STABILITY

The product is stable for several years under dry storage conditions.

MATERIALS TO AVOID

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

None known.

11. TOXICOLOGICAL INFORMATION

Acute toxic test results

Acute oral tox.	>7000mg/kg(oral-rotte)
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SKIN CONTACT

According to OECD Guidelines No. 404, 1981, the product is not classified as a skin irritant.

EYE CONTACT

According to OECD Guidelines No. 405, 1981, the product is not classified as an eye irritant.

SENSITIZATION

No one known.

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ACUTE AND CHRONIC TOXICITY

No such effect known for the product.

12. ECOLOGICAL INFORMATION

OTHER INFORMATION

According to OECD method 203 this product is not classified as toxic for fish.

According to OECD metod nr 302B, is this product classified as inherently biodegradable

COD: 3300 mg O₂/l (0,25%solution)

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Can be dumped as landfill or incinerated in accordance with local regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods:

Yes

No

Not assessed

15. REGULATORY INFORMATION

EC-Label

No

Yes

Not assessed

REFERENCES

ADR/RID, norwegian regulations 2003. Guiding values for pollution in the working atmospherer (ADN) (Norway-2003).

Regulation to hazardous waste from ministry of Norway (2003).

Norwegian adaption to Annex 1 of direktiv 67/548/EEC.

Norwegian regulations regarding classifications and labelling of dangerous chemicals (incl.preparations)(2002)

The norwegian regulations fulfil the EU-directives 67/548/EEC and 1999/45/EC.

16. OTHER INFORMATION

VENDOR NOTES

The information given in this MSDS represents the best of our knowledge of this product.

It is the responsibility of the recipient of this product to comply with current regulations.

ISSUED:

24/10/2003

REVISION HISTORY

Version	Rev. date	Responsible	Changes
0.0.1	13/12/2001	.	.
0.0.2	24/10/2003	.	Updated according to current regulations

SDS is prepared by

Enterprise

Hilde Iversen

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