

SAFETY DATA SHEET

Borresperse CA

Last changed: 22/05/2013

Replaces date: 18/12/2012

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name / designation Borresperse CA
SYNONYMS calciumlignosulphonate
CAS NO. 8061-52-7;

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

USES ADVISED AGAINST None.

1.3 Details of the supplier of the safety data sheet

NATIONAL MANUFACTURER/IMPORTER

Enterprise
Address

1.4 Emergency Telephone Number

Emergency Phone	Type of assistance	Opening Hours

2 Hazards identification

2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification:

Most important HSE hazard effects:

The product does not have to be classified. .

2.2 Label elements

Signal word: None

EC-Label: No

COMPOSITION

Calcium lignosulphonate (> 90 %)

2.3 Other hazards

OTHER HAZARDS

None.

3 Composition/information on ingredients

3.2 Mixtures

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Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Calcium lignosulphonate			8061-52-7	> 90 %	No classification required	

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

4 First aid measures

4.1 Description of first aid measures

INHALATION

Move the exposed person to fresh air at once.

INGESTION

Drink plenty of water. Contact physician if symptoms appears.

SKIN CONTACT

Rinse the skin immediately with lots of water.

EYE CONTACT

Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open).

4.2 Most important symptoms and effects, both acute and delayed

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None.

4.3 Indication of any immediate medical attention and special treatment needed

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Can be extinguished with water, powder, alcohol-resistant foam or carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA

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

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

High concentrations of dust may form explosive mixture with air. ($t > 450^{\circ}\text{C}$).

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Use a respirator and other protective equipment.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Mechanical ventilation or local exhaust ventilation is required. Avoid generation and spreading of dust.

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6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevents major discharge into sewage systems, groundwater and surface water. Provide ventilation and confine spill. Do not allow runoff to sewer.

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

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

6.4 Reference to other sections

REFERENCES

See section 8 for type of protective equipment.

OTHER INFORMATION

Avoid sweeping - use a vacuum cleaner. Avoid generation and spreading of dust. Keep run-off water out of sewers and water sources. Dike for water control.

7 Handling and Storage

PRECAUTION FOR SAFE HANDLING

Provide sufficient ventilation for operations causing dust formation. Mechanical ventilation or local exhaust ventilation may be required. Do not breathe dust.

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep container dry.

SPECIFIC END USE(S)

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

8 Exposure controls / Personal protection

8.1 Control parameters

OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Calcium lignosulphonate	8061-52-7	8 h		5	2001	
Nuisance dust, total		8 h		10	2010	

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

BIOLOGICAL THRESHOLD VALUES

Avoid dust formation.

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Provide good ventilation.

EYE PROTECTION

Use approved safety goggles or face shield.

SKIN PROTECTION

Wear suitable protective clothing.

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HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable.

RESPIRATORY PROTECTION

Wear respirator if there is dust formation.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

PHYSICAL STATE Powder.

COLOUR Brown.

ODOUR Mild.

SOLUBILITY Water soluble.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	3,50 - 5,50		
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	No data		
Auto-ignition temperature	> 150 °C		
Decomposition temperature	No data		
Viscosity	No data		

9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	550 - 630 kg/m ³		

Note no.	Comments
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10 Stability and Reactivity

REACTIVITY

None.

CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

None known.

CONDITIONS TO AVOID

No information available

INCOMPATIBLE MATERIALS

No information available

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HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous reactions known.

11 Toxicological information

11.1 Toxicological effects

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Route of exposure	Exposure time	Value/unit	Species	Source
LD50 (Oral)		> 15000 mg/kg	Rat	

ACUTE TOXICITY - DERMAL

OECD 404, "Not classified as irritating to skin". Non-irritant.

SERIOUS EYE DAMAGE/IRRITATION

OECD-test 405: "Not classified as eye irritant". Non-irritant.

12 Ecological information

12.1 Toxicity

ECOTOXICITY

Not regarded as dangerous for the environment.

12.2 Persistence and degradability

DEGRADABILITY

Expected to be readily biodegradable.

12.3 Bioaccumulative potential

ACCUMULATION

Not bioaccumulating in water environments

12.4 Mobility in soil

MOBILITY

Water soluble.

12.5 Results of PBT and vPvB assessment

RESULT OF PBT AND VPVB ASSESSMENT

The product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

OTHER INFORMATION

According to OECD method 203 is this product not classified as toxic for fish. According to OECD Guidelines 302 B, the product is classified as "inherently" biodegradable. According Bring Mann & Kühn test vekstinhivering of micro-organisms (1977), the product must be considered non-toxic to cell division by Pseudomonas Putida at concentrations <5g / l.

COD: 3300 mg O2/l (0,25% solution).

13 Disposal considerations

13.1 Waste treatment methods

GENERAL REGULATIONS

Dump or destroy in accordance with official recommendations and applicable legislation.

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14 Transport information

Classified as Dangerous Goods: No

Land transport (ADR/RID)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.	Tunnel restriction code	Not applicable.

Inland water ways transport (ADN)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		
Environmentally hazardous in tank-vessels	Not applicable.		

Sea transport (IMDG)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.		
Sub Risk:	Not applicable.		
IMDG Code segregation group	Not applicable.		
Marine pollutant	Not applicable.		
EMS:	Not applicable.		

Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.		
14.3 Class(es)	Not applicable.		
Hazard label(s)	Not applicable.		

OTHER INFORMATION

Not classified as dangerous goods.

15 Regulatory information

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

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PROVISIONS

Guiding values for pollution in the working atmosphere (ADN) (Norway-2013).Regulation to dangerous waste from ministry of Norway (2005).Norwegian adaption to Annex 1 of directive 67/548/EEC.Norwegian regulations regarding classification and labelling of dangerous chemicals (incl.preparations)(2005) ADR/RID (2007).REACH (EC 1907/2006)ECHA FAQ 7.7GHS / CLP (EC NO1272/2008)

15.2 Chemical Safety Assessment

OTHER INFORMATION

Not classified.

16 Other information

Indication of changes

ISSUED: 22/05/2013

Indication of changes

Version	Rev. date	Responsible	Changes
1.0.0	22/05/2013	Borregaard	-NIHA

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).

REACH (EC 1907/2006)

ECHA FAQ 7.7

GHS / CLP (EC NO1272/2008)