

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

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

### 1.1 Product identifier

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

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification:

Not classified. .

Most important HSE hazard effects:

### 2.2 Label elements

Signal word: None

#### COMPOSITION

Sodium lignosulphonate (40 - 60 %)

### 2.3 Other hazards

#### OTHER HAZARDS

None.

## 3 Composition/information on ingredients

### 3.2 Mixtures

Ingredient name	Reg. No	EC No	CAS No.	Conc.	DPD-Classification	CLP-classification
Sodium lignosulphonate			8061-51-6	40 - 60 %	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.

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

## INGREDIENT COMMENTS

No hazardous product as specified in Directive 67/548.

## 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  
with 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:

Extinguishing agent: carbon dioxide, powder, alcohol-resistant foam, a wide water jet or water mist.

#### UNSUITABLE EXTINGUISHING MEDIA

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

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

## 5.2 Special hazards arising from the substance or mixture SPECIAL

### HAZARDS

None known.

## 5.3 Advice for fire-fighters

### ADVICE FOR FIREFIGHTERS

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

## 6 Accidental release measures

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

#### PERSONAL PRECAUTIONS

Wear necessary protective equipment.

### 6.2 Environmental precautions

#### ENVIRONMENTAL PRECAUTIONS

Keep run-off water out of sewers and water sources. Dike for water control.

### 6.3 Methods and material for containment and cleaning up METHODS AND MATERIAL

Major spillage should be banked with sand, earth or similar material and collected into suitable enclosed containers for further incineration.

### 6.4 Reference to other sections REFERENCES

See section 13 for instructions on disposal.

#### OTHER INFORMATION

Move the leaking container to a segregated area. Collect with vacuum cleaner or carefully sweep together and collect.

## 7 Handling and Storage

### 7.1 Precautions for safe handling

#### PRECAUTION FOR SAFE HANDLING

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing. Provide sufficient ventilation during operations which cause vapour formation.

## 7.2 Conditions for safe storage, including any incompatibilities

### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

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

## 7.3 Specific end uses

### SPECIFIC END USE(S)

Preparation has low toxicity, therefore risk of damage is limited in normal handling. Wear appropriate clothing to prevent repeated or prolonged skin contact.

## 8 Exposure controls / Personal protection

### 8.1 Control parameters OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Nuisance dust, total				10	2013	
R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic						

### MONITORING PROCEDURES

Use personal protective equipment.

### 8.2 Exposure controls

#### APPROPRIATE ENGINEERING CONTROLS

Provide adequate general and local exhaust ventilation.

#### EYE PROTECTION

Use approved safety goggles or face shield.

#### SKIN PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

#### RESPIRATORY PROTECTION

No respirator is normally needed.

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

## 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

PHYSICAL STATE Liquid.

COLOUR Brown.

ODOUR Mild.

SOLUBILITY Water soluble.

Pa ra meter	Value/unit	Method/ reference	Observation
pH concentrate	No data		
pH in solution	7 - 10		
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	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

### 9.2 Other safety information

Pa ra meter	Value/ unit	Method/ reference	Observation
Density	1260 kg/m <sup>3</sup>		

Note no.	Comments
----------	----------

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

## 10 Stability and Reactivity

### 10.1 Reactivity

#### REACTIVITY

Not reactive.

### 10.2 Chemical stability

#### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

### 10.3 Possibility of hazardous reactions POSSIBILITY OF HAZARDOUS REACTIONS

No risk of hazardous reactions.

### 10.4 Conditions to avoid CONDITIONS TO AVOID None known.

### 10.5 Incompatible materials

#### INCOMPATIBLE MATERIALS

No information available

### 10.6 Hazardous decomposition

products: HAZARDOUS DECOMPOSITION PRODUCTS No dangerous reactions known.

#### OTHER INFORMATION

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

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - DERMAL

OECD 404, "Not classified as irritating to skin".

#### SERIOUS EYE DAMAGE/IRRITATION

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

## 12 Ecological information

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

## 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 EFFECTS

None known.

### OTHER INFORMATION

According to OECD Method No. 203, the product is not classified as toxic to fish.

According to Bringham & Kühn test growth inhibiting of micro-organisms (1977), it must be classified as not toxic to cell division of *Pseudomonas Putida* at concentrations <5g / l. According to the OECD method No. 302B, the product is classified as "inherently" biodegradable.

## 13 Disposal considerations

---

### 13.1 Waste treatment methods

---

### GENERAL REGULATIONS

# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

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

## 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) Hazard label(s) 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) Hazard label(s) Enviromentally 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) Hazard label(s) Sub Risk: IMDG Code segregation group Marine pollutant Substance name(s) on marine	Not applicable.		



# SAFETY DATA SHEET

Borres erse NAF

Last changed: 05/06/2013

Replaces date: 01/02/2013

pollutant

EMS:

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)			

## OTHER INFORMATION

Not classified as dangerous goods.