

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

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

#### 1.1 Product identifier

Trade name / designation SoftAcid Aqua E  
CAS NO. 8061-51-6; 64-19-7;  
EC NO. 200-580-7;

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

RELEVANT IDENTIFIED USES Inhibitors

#### 1.3 Details of the supplier of the safety data sheet

##### NATIONAL MANUFACTURER/IMPORTER

Enterprise Borregaard AS  
Address P.O. Box 162  
Postal code 1701 Sarpsborg  
Country Norway  
Telephone + 47 69 11 80 00  
Fax + 47 69 11 87 70

##### CONTACT PERSONS

Name	E-mail	Telephone	Country
Nina Faye Haraldstad	MSDS@borregaard.com		

#### 1.4 Emergency Telephone Number

Emergency Phone	Type of assistance	Opening Hours
+47 69 11 88 88	Borregaard emergency no.	24 h
112	Emergency	24 h
+47 22 59 13 00	National dept.for poisons information (Norway)	24 h

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

DPD Classification: C; R34

CLP Classification: H314

Most important HSE hazard effects: Causes severe skin burns and eye damage.

#### 2.2 Label elements



Signal word: Danger

EC-Label: Not assessed

#### COMPOSITION

Sodium lignosulfonate, fluid. (2 - 20 %), Acetic acid 80%. (80 - 98 %)

#### H Statements

H314 Causes severe skin burns and eye damage.

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### P Statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P301/330/331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303/361/353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Deliver contents/Container to an approved waste disposal

### 2.3 Other hazards

#### OTHER HAZARDS

Causes burns.

### 3 Composition/information on ingredients

#### 3.2 Mixtures

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Sodium lignosulfonate, fluid.			8061-51-6	2 - 20 %	No classification required	
Acetic acid 80%.		200-580-7	64-19-7	80 - 98 %	C,R34	Skin Corr. 1B H314 Eye Dam. 1 H318

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. In the event of irregular breathing, unconsciousness and respiratory paralysis, administer artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

Corrosion injury may occur even if small quantities are ingested. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. DO NOT INDUCE VOMITING!

##### SKIN CONTACT

Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Chemical burns must be treated by a physician. Contact physician if irritation continues or sores develop.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Remove any contact lenses and continue rinsing with water for at least 15 minutes (keep the eyelids open). Get medical attention immediately. Continue to rinse.

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

##### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Corrosive

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

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Prophylactic treatment against pulmonary oedema after inhalation of a considerable quantity of decomposition product. Keep under close surveillance for symptoms of pneumonia or pulmonary oedema.

---

## 5 Fire-fighting measures

---

### 5.1 Extinguishing media

#### SUITABLE EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire. May be extinguished with water, carbon dioxide (CO<sub>2</sub>) or powder.

#### UNSUITABLE EXTINGUISHING MEDIA

Do not use a direct water jet.

---

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

#### SPECIAL HAZARDS

Risk of corrosion damage.

---

### 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

Use a chemicals protection suit. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used.

---

### 6.2 Environmental precautions

#### ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or ground.

---

### 6.3 Methods and material for containment and cleaning up

#### METHODS AND MATERIAL

Major spillage should be collected with suitable absorption agents and dumped or incinerated in accordance with relevant regulations. Absorb in inert material (sand, vermiculite, etc.).

---

### 6.4 Reference to other sections

#### REFERENCES

See section 13 for instructions on disposal.

### OTHER INFORMATION

Keep run-off water out of sewers and water sources. Dike for water control. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. In the event of spillage involving the risk of environmental damage, get in touch with the authority responsible.

---

## 7 Handling and Storage

---

### PRECAUTION FOR SAFE HANDLING

Avoid contact with skin and eyes.

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Containers of acid-resistant material. High density polyethylene (HDPE).

### SPECIFIC END USE(S)

Stable under recommended storage and handling conditions.

## 8 Exposure controls / Personal protection

### 8.1 Control parameters

#### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Acetic acid 80%.	64-19-7	8 h	10	25	2013	

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

### OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Avoid contact with the skin, eyes and respiratory tract.

### 8.2 Exposure controls

#### APPROPRIATE ENGINEERING CONTROLS

Emergency shower and facilities for eye rinsing shall be available. Provide good ventilation.

#### EYE PROTECTION

Use approved safety goggles or face shield.

#### SKIN PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

#### HAND PROTECTION

Protective gloves (EVOH, PVDC). Protective gloves (PFTE, 4H).

#### RESPIRATORY PROTECTION

If necessary, respirator (full face mask) with E (yellow) filter and P2 particle filter. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

## 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

**PHYSICAL STATE** Liquid.

**COLOUR** Brown.

**ODOUR** Characteristic.

**SOLUBILITY** Water soluble.

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	< 1		
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 temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

## 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	1,07 g/cm <sup>3</sup>		

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

## 10 Stability and Reactivity

### REACTIVITY

Not reactive.

### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

None known.

### CONDITIONS TO AVOID

Avoid contact with oxidising substances and strong bases.

### INCOMPATIBLE MATERIALS

Not translated to English Reacts violently with peroxides. Nitric acid (HNO<sub>3</sub>). May react violently with certain nitrates and chlorates. Permanganates. In contact with metals generates hydrogen gas, which together with air can form explosive mixtures.

### HAZARDOUS DECOMPOSITION PRODUCTS

None known.

## 11 Toxicological information

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

Ingestion may cause serious corrosion damage, with burning pain, vomiting, stomach ache, possibly serious shock and kidney damage. Serious risk of permanent disorder caused by scarring of corrosion damage in the oesophagus and stomach.

#### ACUTE TOXICITY - DERMAL

May cause serious irritation/smarming and corrosion damage. Burning pain and severe corrosive skin damage.

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### ACUTE TOXICITY - INHALATION

High concentrations may cause irritation of the respiratory tract. Protracted and repeated inhalation may cause chronic bronchial catarrh, corrosive damage to the teeth and possibly pneumonia. Pneumonia.

### SERIOUS EYE DAMAGE/IRRITATION

Vapour, mist and splashing into the eyes may cause serious irritation/smarting and corrosion damage. Risk of corrosion damage. Irritation, burning, lacrimation, blurred vision after liquid splash.

---

## 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

Bioaccumulation improbable.

---

### 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

May change the pH of the water. Contains component/components that are harmful to aquatic organisms.

### OTHER INFORMATION

Major discharge may have a negative effect in a water environment due to local pH reduction.

---

## 13 Disposal considerations

---

### 13.1 Waste treatment methods

#### GENERAL REGULATIONS

Treat as dangerous waste. Collect in marked containers and deliver to approved depot.

---

## 14 Transport information

---

Classified as Dangerous Goods: Yes

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### Land transport (ADR/RID)

14.1 UN-No.	2790	14.4 Packing group	II
14.2 Proper Shipping Name	Acetic acid, solution	14.5 Environmental hazards	
14.3 Class(es)	8		
Hazard label(s)	8		
Hazard ID:		Tunnel restriction code	

### Inland water ways transport (ADN)

14.1 UN-No.	2790	14.4 Packing group	
14.2 Proper Shipping Name	Acetic acid, solution	14.5 Environmental hazards	
14.3 Class(es)			
Hazard label(s)			
Environmentally hazardous in tank-vessels			

### Sea transport (IMDG)

14.1 UN-No.	2790	14.4 Packing group	II
14.2 Proper Shipping Name	Acetic acid, solution	14.5 Environmental hazards	
14.3 Class(es)	8		
Sub Risk:			
IMDG Code segregation group			
Marine pollutant			
EMS:			

### Air transport (ICAO-TI / IATA-DGR)

14.1 UN-No.	2790	14.4 Packing group	
14.2 Proper Shipping Name	Acetic acid, solution		
14.3 Class(es)			
Hazard label(s)			

## 15 Regulatory information

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

#### PROVISIONS

ADR/RID (2007).

REACH (EC 1907/2006)

ECHA FAQ 7.7

GHS / CLP (EC NO1272/2008)

### 15.2 Chemical Safety Assessment

# SAFETY DATA SHEET

## SoftAcid Aqua E

Last changed: 19/08/2013

Replaces date: 31/07/2012

### OTHER INFORMATION

Chemical safety assessment has not been performed.

---

### 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.

---

#### LIST OF RELEVANT R-PHRASES

R34	Causes burns.
-----	---------------

---

#### LIST OF RELEVANT H-STATEMENTS

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.