

SAFETY DATA SHEET

SoftAcid P+

Last changed: 01/07/2013

Replaces date: 09/02/2012

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

1.1 Product Identifier

Trade name / designation SoftAcid P+

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

RELEVANT IDENTIFIED USES Preservative

| Product type description (UCN) | UCN-code |
|--------------------------------------|----------|
| Preservatives for food or feedstocks | B15710 |

1.3 Details of the supplier of the safety data sheet

NATIONAL MANUFACTURER/IMPORTER

Enterprise Borregaard AS
Address P.O.Box 162
Postal code N-1701 SARPSBORG
Country NORWAY
Telephone +47 69 11 80 00
Fax +47 69 11 86 40

CONTACT PERSONS

| Name | E-mail | Telephone | Country |
|----------------------|---------------------|-----------|---------|
| Mina 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 |
| +47 22 59 13 00 | National dept.for poisons information.(Norway) | |
| 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: Xi; R36/37/38
CLP Classification: H315, H319, H335
Most important HSE hazard effects: Causes skin Irritation.Causes serious eye irritation.May cause respiratory irritation.

2.2 Label elements



Signal word: Warning

COMPOSITION

Propionic Acid (30 - 60 %), Sodium Ilnosulphonate (40 - 70 %)

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H Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

P Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment (see ... on this label).
P302/352 IF ON SKIN: Wash with plenty of soap and water.
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.
P337/313 If eye irritation persists: Get medical advice/attention.
P405 Store locked up.
P403/233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/Container (UK)

2.3 Other hazards

OTHER HAZARDS

None known.

3 Composition/information on ingredients

3.2 Mixtures

| Ingredient name | Reg.No | EC No. | CAS No. | Conc. (wt%) | DPD-Classification | CLP-classification |
|------------------------|--------|-----------|-----------|-------------|----------------------------|--------------------------------------|
| Propionic Acid | | 201-176-3 | 79-09-4 | 30 - 60 % | R34 | Skin Corr. 1B H314 STOT SE 3 H335 |
| Sodium lignosulphonate | | | 8061-51-6 | 40 - 70 % | 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.

INGREDIENT COMMENTS

This product is classified irritating based on tests (OECD 404)

4 First aid measures

4.1 Description of first aid measures

INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air.

INGESTION

DO NOT INDUCE VOMITING! Rinse nose and mouth with water. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Never give anything by mouth to an unconscious person. Get medical attention.

SKIN CONTACT

Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Contact physician if symptoms appears.

EYE CONTACT

Rinse immediately with plenty of water. 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.

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GENERAL

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. When unconscious, loosen tight clothing and position in secured sideposition. Make sure that the respiratory passages are free. In the event of respiratory paralysis, administer breathing assistance.

4.2 Most important symptoms and effects, both acute and delayed

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Irritating to eyes, respiratory system and skin.

4.3 Indication of any immediate medical attention and special treatment needed

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Important! Immediately rinse with water for 15-30 minutes. Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open). Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Continue cooling for 15-30 minutes or longer.

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

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

EXTINGUISHING METHODS

Cool with a wide water jet.

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Not flammable, but combustible. In the event of a fire, carbon monoxide and carbon dioxide are emitted.

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

Provide good ventilation. Avoid contact with the skin and eyes. Eliminate all sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry.

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent discharge into the sewage system or the immediate environment.

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

Absorb in inert material (vermiculite, dry sand or earth) for incineration. Small quantities may be flushed to drains with plenty of water. Neutralize small amounts with sodium bicarbonate or lime and flush to sewer with large amounts of water. Collect and reclaim or dispose in sealed containers in licensed waste.

6.4 Reference to other sections

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REFERENCES

See section 13 for instructions on disposal.

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Provide good ventilation. Eliminate all sources of ignition. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). Wear necessary protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep containers tightly closed. Store dry. Ensure that air circulation is good in store and workplace. Avoid high temperatures and direct sunlight. Avoid contact with bases.

7.3 Specific end uses

OTHER INFORMATION

Containers of acid-resistant material. Polyethylene.

8 Exposure controls / Personal protection

8.1 Control parameters

OEL value

| Ingredient name | CAS no. | Range | ppm | mg/m3 | Year | Notification |
|-----------------|---------|-------|-----|-------|------|--------------|
| Propionic Acid | 79-09-4 | 8 h | 10 | 30 | 2013 | |

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

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

Use suitable protective clothes, protective gloves and protective goggles.

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Provide good ventilation. Avoid spilling, skin and eye contact. Ensure good industrial hygiene. Wash at the end of each work shift and before eating, smoking and using the toilet. Eye wash facilities and emergency shower must be available when handling this product. When evaluating exposure, consider suitable method for sampling, and evaluate if stationary or mobile sampling is recommended.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

SKIN PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HAND PROTECTION

Wear suitable gloves. PTFE (Teflon). PVC. Neoprene.

RESPIRATORY PROTECTION

If necessary, respirator (full face mask) with E (yellow) filter and P2 particle filter, or breathing apparatus.

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

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PHYSICAL STATE Liquid.

COLOUR Brown.

ODOUR Pungent.

SOLUBILITY Miscible with water.

| Parameter | Value/unit | Method/reference | Observation |
|---|------------|------------------|-------------|
| pH concentrate | No data | | |
| pH in solution | < 2 | | |
| Melting point | No data | | |
| Freezing point | No data | | |
| Initial boiling point and boiling range | ~ 120 °C | | |
| Flash point | ~ 70 °C | | |
| 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 ³ | | |

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

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

None known.

10.4 Conditions to avoid

CONDITIONS TO AVOID

Strong alkalis. Must be separated from nitric acid. Reacts violently with peroxides. Nitrates.

10.5 Incompatible materials

INCOMPATIBLE MATERIALS

Avoid high temperatures and direct sunlight.

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10.6 Hazardous decomposition products:

HAZARDOUS DECOMPOSITION PRODUCTS

On contact with certain metals, hydrogen is formed which, together with air, may form an explosive mixture.

OTHER INFORMATION

Heated product is more corrosive than cold product.

11 Toxicological information

11.1 Toxicological effects

ACUTE TOXICITY - ORAL

Irritant.

ACUTE TOXICITY - DERMAL

Irritating to skin.

ACUTE TOXICITY - INHALATION

Irritating to respiratory system.

SERIOUS EYE DAMAGE/IRRITATION

Irritating to eyes.

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

Miscible with water.

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

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

13 Disposal considerations

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13.1 Waste treatment methods

GENERAL REGULATIONS

Treat as dangerous waste. Collect and reclaim or dispose in sealed containers in licensed waste. Packaging must be cleaned thoroughly, do not remove labelling or warning labels.

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

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OTHER INFORMATION

Not classified as dangerous goods.

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

OTHER INFORMATION

This product is classified irritating based on tests (OECD 404)

16 Other information

Indication of changes

ISSUED: 01/07/2013

Indication of changes

| Version | Rev. date | Responsible | Changes |
|---------|------------|---------------|---------|
| 1.0.0 | 01/07/2013 | Borregaard AS | 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.

LIST OF RELEVANT R-PHRASES

R34 Causes burns.
R36/37/38 Irritating to eyes, respiratory system and skin.

LIST OF RELEVANT H-STATEMENTS

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.