

Safety Data Sheet

SoftAcid IV+

Revision date: 29/06/2015

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: SoftAcid IV+

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

Recommended uses: Preservative for animal feed / chemical-technical applications.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Borregaard AS
Address: Postboks 162
Zip code: 1701 Sarpsborg
Country: NORWAY
Phone: +47 69 11 80 00
Fax: +47 69 11 87 70
Contact person: Name: Nina Faye Haraldstad, E-mail: MSDS@borregaard.com

1.4. Emergency Telephone Number

+ 47 69 11 88 88 (Borregaard nødtelefon) (24 timer) + 47 22 59 13 00 (Giftinformasjonen) (24 timer)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Skin Irrit. 2;H315 Eye Dam. 1;H318
Most serious harmful effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Pictograms



Signal word: Danger

Contains

Substance: formic acid ... %, propionic acid ... %

Hazard Statements

H315 Causes skin irritation.

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H318 Causes serious eye damage.

Precautionary statements

P101+310 Immediately call a POISON CENTER/doctor/{} If medical advice is needed, have product container or label at hand.

P260+264 Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling.

P264+280+280+305 /351/338 Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear protective gloves/eye protection/face protection. Wash {} thoroughly after handling.

P301/330/331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P501+501 Dispose of contents/container to approved waste treatment.

Supplemental information

This product is classified irritating based on tests (OECD 404) Irritating to eyes, respiratory system and skin.

2.3. Other hazards

Irritating to eyes and skin.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Softacid concentrate				40 - 60%		
formic acid ... %	64-18-6	200-579-1	01-2119491174-37-xxxx	40 - 55%		Skin Corr. 1B;H314 Eye Dam. 1;H318
propionic acid ... %	79-09-4	201-176-3	01-2119486971-24-xxxx	5 - 15%		Skin Corr. 1B;H314

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Do not induce vomiting. Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Immediately call a POISON CENTER or doctor/physician.

Skin contact: Wash the skin thoroughly with water and continue washing for a long time. Take off contaminated clothing and wash before reuse. Seek medical advice in case of persistent discomfort.

Eye contact: Immediately call a POISON CENTER or doctor/physician. Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

General: When obtaining medical advice, show the safety data sheet or label.

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

May irritate the skin - may cause reddening. Causes serious eye damage.

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

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Take off contaminated clothing and wash before reuse.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes - seek fresh air. Hazardous fumes are formed in fire conditions. Carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Provide good ventilation. In case of insufficient ventilation, wear respiratory protective equipment. Wear suitable protective clothing. Wear safety goggles. Wear gloves.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains. Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Rinse with water.

6.4. Reference to other sections

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions, preferably outdoors. Avoid contact with skin and eyes. Wash hands before breaks, before using restroom facilities, and at the end of work. Take off contaminated clothing and wash before reuse. Running water and eye wash equipment must be available.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool, well-ventilated area. Avoid contact with the following: Alkalis.

7.3. Specific end use(s)

Causes serious eye damage.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below. Do not eat, drink or smoke when using this product.

Personal protective equipment, eye/face protection: Wear safety goggles.

Personal protective equipment, hand protection: Gloves must conform to EN 374. Type of material: Rubber/ Neoprene rubber/ Nitrile rubber. Change gloves immediately if contaminated, and wash hands with soap and water.

Personal protective equipment, skin protection: Wear suitable protective clothing. Wear rubber apron and boots as required.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: E. In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Brown
Odour	Prickling
Solubility	Solubility in water: Complete
Explosive properties	
Oxidising properties	

Parameter	Value/unit	Remarks
pH (solution for use)	< 2	10% solution
pH (concentrate)	No data	
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 n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1.20 ~ g/cm ³	

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SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

The product affects the pH value of the local aquatic environment.

10.5. Incompatible materials

06 01 05* nitric acid and nitrous acid Alkalis.

10.6. Hazardous decomposition products

Reacts with metals to form hydrogen gas which may produce explosive hydrogen/air mixtures. The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation: Irritating to skin - may cause reddening.

Serious eye damage/eye irritation: Strongly irritating to the eyes, causing reddening and increased tear production. May cause serious eye damage. Corrosive when mixed.

SECTION 12: Ecological information

12.1. Toxicity

No effect on the environment.

12.2. Persistence and degradability

Expected to be biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Solubility in water: Complete

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

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The product affects the pH value of the local aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contact the local authorities. Avoid unnecessary release to the environment.

SECTION 14: Transport information

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: ADR/RID (2007).REACH (EC 1907/2006)ECHA FAQ 7.7GHS / CLP (EC NO1272/2008)
GHS USA June, 2015.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 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 H-statements

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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