

SAFETY DATA SHEET

SALINITY

EXPERTS IN SALT SINCE 1830

Saltwell for organic use

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	31.05.2013
Revision date	19.10.2017

1.1. Product identifier

Product name	Saltwell for organic use
Synonyms	Description: Sea salt naturally reduced sodium
Article no.	275801, 275200

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

Function	Description: Food additive
Use of the substance / preparation	For professional use Food industry Organic suitable sea salt

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name	Ab Hanson & Möhring – Salinity AB
Postal address	Nellickevägen 20
Postcode	SE-412 63
City	Göteborg
Country	Sweden
Telephone number	+ 46 (0) 31 309 25 00
Email	info@salinity.com
Website	www.salinity.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 1-800-222-12 Description: For a POISON EMERGENCY ANYWHERE IN THE US
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Telephone number: 111 (NHS)
Description: For a POISON EMERGENCY in UK

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

CLP classification, notes Classification according to (EC) No.1272/2008: Not classified.

2.2. Label elements

Other label information (CLP) NOT CLASSIFIED according to health-, fire- and environmental hazard.

2.3. Other hazards

PBT / vPvB Not relevant.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Sodium chloride	CAS No.: 7647-14-5 EC No.: 231-598-3		60 %
Potassium chloride	CAS No.: 7447-40-7 EC No.: 231-211-8		34 %
Organic Nu-Flow	CAS No.: - EC No.: -		0,2 -0,5 %
Description of the mixture	A natural salt with the addition of Organic Nu-Flow anti-caking agent (100% organic certified rice hull concentrate, GMP compliant).		
Substance comments	The above content statements are typical values as stated in the product specification.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If in doubt, seek medical advice.
Inhalation	Move into fresh air and keep at rest.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water. Clothing should be washed before reuse.
Eye contact	Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Drink plenty of water. Contact physician if larger quantity has been consumed.

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

Acute symptoms and effects Inhalation: High concentration of dust may cause irritation to mucous membranes.

Skin contact: May cause slight irritation.
Eye contact: May cause eye irritation. Symptoms may be stinging pain and redness in the eyes.
Ingestion: May cause nausea, vomiting and diarrhea. Thirst, cramps, circulatory disorders.

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

Other information Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards The chemical is non-combustible.
Hazardous combustion products Hazardous fumes may be formed in fire situations. May include, but is not limited to: Sodium oxide. Potassium oxide Chlorine. Hydrogen chloride (HCl).

5.3. Advice for firefighters

Personal protective equipment Self-contained breathing apparatus may be required by rescue workers. In case of evacuation, use escape mask where possible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures Avoid generation and spreading of dust. Avoid contact with skin and eyes. Use protective equipment as referred to in section 8. Use protective equipment as referred to in section 8.

6.2. Environmental precautions

Environmental precautionary measures Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method Sweep away and collect into a suitable container.
Dispose of in accordance with local regulations for waste handling (see section 13). Minor residues may be rinsed away with plenty of water.

6.4. Reference to other sections

Other instructions See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Avoid handling which leads to dust formation. Provide adequate ventilation.
Avoid contact with eyes and prolonged skin contact. Use protective equipment as referred to in section 8.

Protective safety measures**Advice on general occupational hygiene**

Wash hands after contact with the chemical. Change contaminated clothing and take off protective equipment before the meal. Do not smoke, drink or eat in the workplace.

7.2. Conditions for safe storage, including any incompatibilities**Storage**

Store in tightly closed original container in a dry, cool and well-ventilated place.
Store separated from: Strong acids. Oxidizing agents

Conditions for safe storage**Requirements for storage rooms and vessels**

Suitable containers: polyethylene. Stainless steel.
Unsuitable containers: metals.

7.3. Specific end use(s)**Specific use(s)**

See section 1.2.

SECTION 8: Exposure controls / personal protection**8.1. Control parameters**

Substance	Identification	Value	TWA Year
Dust, inorganic, inhalable fraction		TWA (8h) : 10 mg/m ³	
Dust, inorganic, respirable fraction		TWA (8h) : 4 mg/m ³	TWA Year: 2007
Other Information about threshold limit values	References (laws/regulations): EH40/2005 Workplace exposure limits, with later amendments.		

8.2. Exposure controls**Limitation of exposure on workplace**

The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.
A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipments suitability and durability will depend on application.

Precautionary measures to prevent exposure**Technical measures to prevent exposure**

Provide adequate ventilation.

Eye / face protection**Eye protection**

Use tight fitting goggles if dust is generated.

Reference to relevant standard EN 166 (Personal eye-protection. Specifications).

Hand protection

Hand protection Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Suitable gloves type Polyvinyl chloride (PVC). Nitrile.

Unsuitable materials Leather.

Reference to relevant standard BS-EN 420 (Protective gloves. General requirements and test methods).
BS-EN 374 (Protective gloves against chemicals and micro-organisms).

Skin protection

Skin protection (except hands) Ordinary workwear.

Respiratory protection

Respiratory protection Use mask with filter P2 in case of dust formation.

Reference to relevant standard EN 143 (Respiratory protective devices. Particle filters. Requirements, testing, marking).

Appropriate environmental exposure control

Environmental exposure controls Do not allow to enter into sewer, water system or soil.

Other information

Other information Eye wash facilities should be available when handling this chemical.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Crystals.

Colour White.

Odour Odorless.

Odour limit Comments: Not relevant.

pH Status: In aqueous solution
Value: ~ 7

Melting point / melting range Value: ~ 802 °C

Boiling point / boiling range Value: 1413 °C

Flash point Comments: Not relevant. Not flammable.

Evaporation rate Comments: Not relevant.

Explosion limit Comments: Not relevant.

Vapour pressure Value: 2,4 mm Hg
Temperature: 747 °C

Vapour density	Comments: Not relevant.
Specific gravity	Value: ~ 2165 kg/m ³
Solubility in water	~ 360 g/l
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not known.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No further information is available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	The chemical is stable under normal conditions of storage and use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions. Arise in contact with incompatible materials (section 10.5).
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10.4. Conditions to avoid

Conditions to avoid	Water, moisture.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Oxidizing agents. Metals. (corrosion).
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10.6. Hazardous decomposition products

Hazardous decomposition products	With strong acids: Hydrogen chloride (HCl). With oxidizing agents: Chlorine gas. (Cl ₂)
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Effect tested: LD50
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	Route of exposure: Oral Value: 3000 mg/kg Species: Rat Comments: Sodium chloride (CAS 7647-14-5)
Other toxicological data	Sodium chloride; TDLo human: 12357 mg/kg. Ingestion of 0,5-1 g/kg can be toxic to most people. All values stated in section 11, are obtained from the producer.

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Skin corrosion / irritation, other information	Sodium chloride, dermal irritation test, rabbit: slightly irritating.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Eye damage or irritation other information	Sodium chloride, eye irritation test, rabbit: moderately irritating.
Assessment of eye damage or irritation, classification	Based on available data, the classification criteria are not met.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ SE, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity RE, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

Symptoms of exposure

In case of ingestion	Ingestion of significant amounts may cause nausea and vomiting. Other symptoms: thirst, cramps, circulatory disorders. Sodium chloride effects the blood pressure.
In case of skin contact	Slightly irritating.
In case of inhalation	Dust in high concentrations may irritate the respiratory system.
In case of eye contact	May cause temporary eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish	Value: 6750 mg/l Test duration: 96 hour(s) Method: LC50 Comments: Applies to pure salt.
Acute aquatic, algae	Value: 3014 mg/l Test duration: 72 hour(s) Method: IC50 Comments: Applies to pure salt.
Acute aquatic, Daphnia	Value: 2024 mg/l Test duration: 48 hour(s) Method: EC50 Comments: Applies to pure salt.
Aquatic, comments	All values stated in section 12, are obtained from the producer.

12.2. Persistence and degradability

Persistence and degradability, comments	The product solely consists of inorganic compounds which are not biodegradable. Sodium-, potassium- and chloride ions are formed in water solutions.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Will not bio-accumulate.
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12.4. Mobility in soil

Mobility	Soluble in water.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	PBT assessment has not been performed. Not relevant.
vPvB evaluation results	vPvB assessment has not been performed. Not relevant.

12.6. Other adverse effects

Other adverse effects, comments	Do not allow to enter into sewer, water system or soil.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Confirm disposal procedures with environmental engineer and local regulations. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned below. Empty and cleaned packages may be disposed of or recycled as household waste.
EWC waste code	EWC waste code: 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
Other information	Do not empty into drains.

SECTION 14: Transport information

14.1. UN number

Comments	Europe: Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ ICAO regulations. US: Not regulated as dangerous goods by transportation according to DOT regulation.
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14.2. UN proper shipping name

Comments	Not relevant.
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14.3. Transport hazard class(es)

Comments	Not relevant.
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14.4. Packing group

Comments	Not relevant.
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14.5. Environmental hazards

Comments	Not relevant.
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14.6. Special precautions for user

Special safety precautions for user	Not relevant.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category	Not relevant.
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

References (laws/regulations)	Europe: Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments. European Waste Catalogue and Hazardous Waste List Dangerous Goods regulations US: US FEDERAL TSCA CAS-No 7647-14-5 is listed on the TSCA inventory CAS-No 7447-40-7 is listed on the TSCA inventory
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No

SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
Key literature references and sources for data	The Safety Data Sheet is based on information provided by the producer.
Abbreviations and acronyms used	EC50: The effective concentration of substance that causes 50% of the maximum response IC50: The concentration of compound that results in 50% inhibition of a biological or biochemical function. LC50: Median concentration lethal to 50% of a test population. LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%. PBT: Persistent, Bioaccumulative and Toxic TDLo: The lowest dose causing a toxic effect vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	Sections being revised since previous version: 1.3, 3.2, 9.1, 11.1, 13.1, 15.1
Version	3