



# SODIUM CHLORIDE

## SAFETY DATA SHEET

MSDS  
ACCORDING TO REGULATION (EC) NR. 1907/2006  
REVISION 4  
14/04/2015  
REPLACES 01-01-2013

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### 1. IDENTIFICATION OF THE SUBSTANCE OR THE MIXTURE AND OF THE COMPANY

#### 1.1. PRODUCT IDENTIFICATION

**PRODUCT FORM:** white hygroscopic crystals, powder, or in solid form (pastilles or tablets)  
**PRODUCT NAME:** sodium chloride (NaCl) / salt  
**PRODUCT GROUP:** -

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR THE MIXTURE AND ADVISE AGAINST USE

##### 1.2.1. Relevant identified uses

**MAIN USE CATEGORY:** nutrition, agriculture, cosmetics, animal feed, water softening, combatting slipperiness, snow removal, several technical and industrial applications  
**OPERATION:** flavouring, regeneration, conservation, processing agent, melting of ice and snow

##### 1.2.2. Forms of use advised against

no additional information is available

#### 1.3. DETAILS REGARDING THE SUPPLIER OF THE SAFETY DATA SHEET

Schippers Europe B.V.  
Rond Deel 12  
5531 AH Bladel, The Netherlands  
Tél.: 0031 (0) 497-382017  
Fax: 0031 (0) 497-382096  
[contact.nl@schippers.eu](mailto:contact.nl@schippers.eu)

### 2. IDENTIFICATION OF THE DANGERS

#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR THE MIXTURE

**CLASSIFICATION IN ACCORDANCE WITH REGULATION (EC) NR 1272/2008 [CLP]:**

not classified • this substance is not classified as being dangerous according to Directive 67/548/EEG

**ADVERSE PHYSICOCHEMICAL, HEALTH AND ENVIRONMENTAL EFFECTS:**

no additional information is available

#### 2.2. LABELLING ELEMENTS

**LABELLING IN ACCORDANCE WITH REGULATION (EC) NR 1272/2008 [CLP]:**

labelling not applicable

#### 2.3. OTHER DANGERS

no additional information is available

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### 3. COMPOSITION AND INFORMATION REGARDING THE INGREDIENTS

#### 3.1. SUBSTANCE

**NAME:** sodium chloride (NaCl)  
**CAS N°:** 7647-14-5  
**EINECS N°:** 231-598-3  
**REACH REGISTRATION N°:** all ZOUTMAN products consist of sodium chloride, a natural mineral • products exempt from the obligation to register under REACH  
**0 TO 200 PPM:** sodium ferrocyanide (= E535) as anti-caking agent depending on the specific usage application

#### 3.2. MIXTURE

this mixture does not contain any substances that should be mentioned in accordance with Annex II, section 3.2

### 4. FIRST AID MEASURES

#### 4.1. DESCRIPTION OF FIRST AID MEASURES

**FIRST AID GENERAL:** never administer anything by mouth to an unconscious person • consult a doctor if you feel unwell (show him the label if possible)  
**FIRST AID AFTER INHALATION:** make sure there is fresh air • consult a doctor if necessary  
**FIRST AID AFTER SKIN CONTACT:** rinse with plenty of water • consult a doctor if necessary  
**FIRST AID AFTER CONTACT WITH EYES:** first rinse with water (remove contact lenses, if it's easy to do), then consult a doctor  
**FIRST AID AFTER INGESTION:** in case of ingestion of larger amounts; consult a doctor if you feel unwell

#### 4.2. IMPORTANT ACUTE AND DELAYED SYMPTOMS AND EFFECTS

**SYMPTOMS / LESIONS:** is not deemed a serious risk under normal conditions of use

#### 4.3. MENTION OF THE REQUIRED IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

no additional information is available

### 5. FIRE-FIGHTING MEASURES

#### 5.1. MEANS OF FIRE-FIGHTING

**SUITABLE EXTINGUISHING MEANS:** foam • dry powder • carbon dioxide • water mist • sand  
**UNSUITABLE EXTINGUISHING MEANS:** do not use a strong jet of water

#### 5.2. SPECIAL DANGERS CAUSED BY THE SUBSTANCE OR MIXTURE

product can secrete toxic fumes under fire conditions • hydrogen chloride gas, sodium oxides

#### 5.3. ADVICE FOR FIRE-FIGHTERS

**EXTINGUISHING INSTRUCTIONS:** cool down the exposed vats by spraying with water or by using water mist • be extremely careful when fighting a chemical fire • avoid that (used) fire extinguishing water ends up in the environment  
**PROTECTION DURING FIRE-FIGHTING:** do not enter the fire zone without proper protective equipment, including respiratory protection

#### 5.4. ADVICE FOR FIRE-FIGHTERS

no details available

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### 6. MEASURES AT ACCIDENTAL RELEASE OF THE SUBSTANCE OR MIXTURE

#### 6.1. PERSONAL PRECAUTIONARY MEASURES, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

##### 6.1.1. For persons other than the emergency services

EMERGENCY PROCEDURES: evacuate unnecessary personnel

##### 6.1.2. For the emergency services

PROTECTIVE EQUIPMENT: avoid dust formation • avoid inhaling vapours / mist / gas • for personal protection see section 8 • equip cleaning staff with adapted protection

EMERGENCY PROCEDURES: ventilate the area

#### 6.2. ENVIRONMENTAL PRECAUTIONARY MEASURES

do not allow to flow into sewers or public water works • notify the appropriate authorities if the liquid enters the sewers or open water works

#### 6.3. CONTAINMENT AND CLEANING METHODS AND MATERIAL

CLEANING METHODS: wipe spilled product or scoop it up and place it in sealable corrosion-resistant waste containers • limit the formation of dust • store separate from other material

#### 6.4. REFER TO OTHER SECTIONS

see section 8: EXPOSURE LIMITS AND PERSONAL PROTECTION

see section 13: INSTRUCTIONS FOR REMOVAL

### 7. HANDLING AND STORAGE

#### 7.1. PRECAUTIONARY MEASURES FOR SAFE HANDLING OF THE SUBSTANCE OR MIXTURE

##### PRECAUTIONARY MEASURES FOR SAFE HANDLING OF THE SUBSTANCE OR MIXTURE:

wash hands and other exposed parts with a mild soap and water before eating, drinking, smoking or leaving work • ensure that there is good ventilation in the process area to prevent the formation of vapours

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBLE PRODUCTS

STORAGE CONDITIONS: keep the vats closed if they are not used • store only in the original packaging in a cool, well-ventilated place • warehouses and silos must comply with the local regulations

SPECIFIC MEASURES: not suitable packaging material: steel and tin

#### 7.3. SPECIFIC END USE

no additional information is available

### 8. MEASURES TO CONTROL EXPOSURE / PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

no additional information is available

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### 8.2. MEASURES TO CONTROL EXPOSURE

**PERSONAL PROTECTIVE EQUIPMENT:** apply general industrial hygiene  
**HANDS PROTECTION:** not required  
**EYE PROTECTION:** wear goggles at dust formation  
**RESPIRATORY PROTECTION:** wear filter mask with filter type P2 at dust formation • ensure a well-ventilated area  
**OTHER INFORMATION:** do not eat, drink or smoke during use • brush off contaminated clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ABOUT PHYSICAL AND CHEMICAL BASIC PROPERTIES

**PHYSICAL CONDITION:** solid  
**COLOUR:** white  
**SMELL:** odourless  
**SMELL LIMIT:** no details available  
**pH:** 5-8 (at 50 g/l H<sub>2</sub>O / 20 °C)  
**RELATIVE EVAPORATION RATE** (butyl acetate =1): no details available  
**MELTING POINT:** 801 °C  
**SOLIDIFY -FREEZING POINT:** no details available  
**BOILING POINT:** 1413 °C  
**FLASH POINT:** no details available  
**SPONTANEOUS IGNITION TEMPERATURE:** no details available  
**DECOMPOSITION TEMPERATURE:** no details available  
**FLAMMABILITY (SOLID, GAS):** non-flammable  
**VAPOUR PRESSURE:** no details available  
**RELATIVE VAPOUR DENSITY AT 20 °C:** no details available  
**RELATIVE DENSITY:** no details available  
**SOLUBILITY:** 360 g/l (20 °C)  
**LOG POW:** no details available  
**VISCOSITY, KINEMATIC:** no details available  
**VISCOSITY, DYNAMIC:** no details available  
**EXPLOSIVE PROPERTIES:** no details available  
**OXIDIZING PROPERTIES:** no details available  
**EXPLOSION LIMITS:** no details available

### 9.2. OTHER INFORMATION

no additional information is available

## 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

no details available

### 10.2. CHEMICAL STABILITY

stable under the recommended storage conditions

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### 10.3. POSSIBLE DANGEROUS REACTIONS

no details available

### 10.4. CONDITIONS TO AVOID

extensive exposure to atmospheric moisture can cause lumping

### 10.5. CHEMICAL INTERACTING MATERIALS

avoid substances, such as strong acids and oxidizing agents • corrode metals

### 10.6. DANGEROUS DECOMPOSITION PRODUCTS

CONTACT WITH STRONG ACIDS: hydrochloric acid HCl

CONTACT WITH OXIDISING AGENTS: chlorine gas Cl<sub>2</sub>

## 11. TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY: LD 50 acute (rat, oral): 3.000 mg/kg

SKIN CORROSION / IRRITATION: slightly irritating

SERIOUS EYES DAMAGE / EYE IRRITATION: slightly irritating

RESPIRATORY SENSITISATION / THE SKIN: slightly irritating

GERM CELL MUTAGENICITY: not classified • based on the available information the product does not meet the classification criteria

CARCINOGENICITY: not classified • based on the available information the product does not meet the classification criteria

REPRODUCTIVE TOXICITY: not classified • based on the available information the product does not meet the classification criteria

SPECIFIC TARGET ORGAN TOXICITY (single exposure): not classified • based on the available information the product does not meet the classification criteria

SPECIFIC TARGET ORGAN TOXICITY (repeated exposure): not classified • based on the available information the product does not meet the classification criteria

ASPIRATION DANGER: slightly irritating

### POTENTIAL ADVERSE EFFECTS ON HUMAN HEALTH AND POSSIBLE SYMPTOMS:

it does not meet with the classification criteria based on the available information

## 12. ECOLOGICAL INFORMATION

### 12.1. TOXICITY

no additional information is available

### 12.2. PERSISTENCE AND DEGRADABILITY

the product is biodegradable

### 12.3. BIOACCUMULATION

not been determined

### 12.4. MOBILITY IN SOIL

no additional information is available

### 12.5. RESULTS of PBT and vPvB ASSESSMENT

no additional information is available

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### 12.6. OTHER ADVERSE EFFECTS

no additional information is available

## 13. INSTRUCTIONS FOR DISPOSAL

### 13.1. WASTE DISPOSAL METHODS

RECOMMENDATIONS FOR WASTE DISPOSAL: clean up safely in accordance with the local/national requirements

ECOLOGY – RESIDUAL WASTE: avoid release into the environment

## 14. INFORMATION WITH REGARDS TO TRANSPORTATION

in accordance with the requirements of ADR / RID / IMDG / IATA / ADN

### 14.1. UN NUMBER

not classified as dangerous according to the transport legislation

### 14.2. CORRECT SHIPPING NAME IN ACCORDANCE WITH THE UN MODEL REGULATIONS

ADR/RID: not dangerous goods

IMDG: not dangerous goods

IATA: not dangerous goods

### 14.3. TRANSPORT DANGER CATEGORY(IES)

not applicable

### 14.4. PACKING GROUP

not applicable

### 14.5. ENVIRONMENTAL HAZARDS

DANGEROUS FOR THE ENVIRONMENT: no

MARINE POLLUTION: no

OTHER INFORMATION: no additional information is available

### 14.6. SPECIAL PRECAUTIONS FOR USER

#### 14.6.1. Land transport

no additional information is available

#### 14.6.2. Transport on open sea

no additional information is available

#### 14.6.3. Air transport

no additional information is available

#### 14.6.4. Transport on inland waterways

no additional information is available

### 14.7. TRANSPORT IN BULK IN ACCORDANCE WITH ANNEX II AT MARPOL 73/78 AND IBC-CODE

not applicable

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### 15. LEGISLATION

#### 15.1. SPECIFIC SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS AND LEGISLATION FOR THE SUBSTANCE OR THE MIXTURE

##### 15.1.1. EU regulations

no restrictions in accordance with annex XVII of REACH • does not contain any REACH candidate substance  
Seveso Information: -

##### 15.1.2. National regulations

no additional information is available

#### 15.2. CHEMICAL SAFETY TEST ASSESSMENT

no chemical safety assessment performed

### 16. OTHER INFORMATION

#### DATA SOURCES:

REGULATION (EC) Nr. 1272/2008 OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 16 December 2008 regarding the classification, labelling and packaging of substances and mixtures for the amending and repealing of Directives 67/548/EEC and 1999/45/EC and amending of Regulation (EC) nr. 1907/2006

#### OTHER INFORMATION:

none

*SDS EU (REACH annex II)*

this information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental aspects • it should therefore not be construed as a guarantee for any specific property of the product