

# SODIUM CHLORIDE

## SAFETY DATA SHEET

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

| 1/7

### 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

ZOUTMAN NV • Delaerestraat 41 • B-8800 ROESELARE (BELGIUM)  
T +32 51 26 87 26 • F +32 51 24 73 73 • info@zoutman.com

#### 1.4. EMERGENCY TELEPHONE NUMBER

**ORGANIZATION / COMPANY:** Centre Anti-Poisons / Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid  
**ADDRESS:** Rue Bruyn 1 • B-1120 Bruxelles / Brussel  
**EMERGENCY NUMBER:** +32 70 245 245

### 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

### 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
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#### 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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| 3/7

### 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

### 8.2. MEASURES TO CONTROL EXPOSURE

<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	apply general industrial hygiene
<b>HANDS PROTECTION:</b>	not required
<b>EYE PROTECTION:</b>	wear goggles at dust formation
<b>RESPIRATORY PROTECTION:</b>	wear filter mask with filter type P2 at dust formation • ensure a well-ventilated area
<b>OTHER INFORMATION:</b>	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

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

### 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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REPLACES 01-01-2013

| 6/7

### 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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REPLACES 01-01-2013

| 7/7

### 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