

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 Annex II as amended by Regulation (EU) 2020/878

REVISION 11  
14.07.2025  
REPLACES 19.02.2024

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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)  
**CAS-N°:** 7647-14-5  
**UFI:** --

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

##### 1.2.1. Relevant identified uses

**MAIN USE CATEGORY:** 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 • Schaapbruggestraat 50 • B-8800 ROESELARE (BELGIUM)  
T +32 51 26 87 26 • F +32 51 24 73 73 • info@zoutman.com

#### 1.4. EMERGENCY TELEPHONE NUMBER

Call:112

### 2. IDENTIFICATION OF THE DANGERS

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

This substance is not classified as dangerous according to European Union legislation N° 1272/2008/EG.

#### 2.2. LABELLING ELEMENTS

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Labeling: not required

Signal word: not required

#### 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
SCL (Specific Concentration Limits):	Not applicable
ATE (Acute Toxicity Estimates):	Not applicable
Nanoforms	
Particle Characteristics:	This product does not contain nanomaterials.
Particle size:	Not applicable

#### 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
PROTECTION OF FIRST AID PROVIDERS:	No action shall be taken involving any personal risk. First make sure the zone is safe.

#### 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
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**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

## 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

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

#### 8.1. CONTROL PARAMETERS

no additional information is available

#### 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  
**MELTING POINT:** 801 °C  
**SOLIDIFY -FREEZING POINT:** no details available  
**BOILING POINT:** 1413 °C  
**FLAMMABILITY (SOLID, GAS):** non-flammable  
**UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMIT VALUES:** no data available  
**FLASH POINT:** no details available  
**SPONTANEOUS IGNITION TEMPERATURE:** no details available  
**DECOMPOSITION TEMPERATURE:** no details available  
**pH:** 5-8 (at 50 g/l H<sub>2</sub>O / 20 °C)  
**VISCOSITY, KINEMATIC:** no details available  
**VISCOSITY, DYNAMIC:** no details available  
**SOLUBILITY:** 360 g/l (20 °C)  
**RELATIVE EVAPORATION RATE (butyl acetate =1):** no details available  
**VAPOUR PRESSURE:** no details available  
**RELATIVE VAPOUR DENSITY AT 20 °C:** no details available  
**RELATIVE DENSITY:** no details available  
**EXPLOSIVE PROPERTIES:** no details available  
**OXIDIZING PROPERTIES:** no details available  
**EXPLOSION LIMITS:** no details available  
**PARTICLE CHARACTERISTICS**  
**Median of particle size:** 1-5mm

#### 9.2. OTHER INFORMATION

no additional information is available

### 10. STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

no details available

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### 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

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### 12.5. RESULTS of PBT and vPvB ASSESSMENT

no additional information is available

### 12.6. HORMONE DISTURBING PROPERTIES

no additional information is available

### 12.7. OTHER ADVERSE EFFECTS

no additional information is available

## 13. INSTRUCTIONS FOR DISPOSAL

### WASTE DISPOSAL METHODS

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Zoutman product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

## 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

###### REACH Annex XVII (Restriction List)

No REACH Annex XVII restrictions

###### REACH Annex XIV (Authorisation List)

Sodium chloride is not on the REACH Annex XIV List

###### REACH Candidate List (SVHC)

Sodium chloride is not on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Sodium chloride is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

###### POP Regulation (Persistent Organic Pollutants)

Sodium chloride is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

###### Ozone Regulation (1005/2009)

Sodium chloride is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

###### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

###### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### 15.1.2. National regulations

###### France

Occupational diseases	
code	Description
RG 78	Diseases caused by sodium chloride in salt mines and their dependencies

###### Germany

Water hazard class (WGK)	:	WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; IDNo. 270)
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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### Netherlands

SZW-lijst van kankerverwekkende stoffen	:	The substance is not listed
SZW-lijst van mutagene stoffen	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	The substance is not listed

### 15.2. CHEMICAL SAFETY TEST ASSESSMENT

no chemical safety assessment performed

### 16. OTHER INFORMATION

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although utmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

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