

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

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

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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 H₂O / 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 Cl₂

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)

SODIUM CHLORIDE

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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 outmost 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