

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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REPLACES 01-01-2013

| 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

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 ₂ 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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| 5/7

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

12.5. RESULTS of PBT and vPvB ASSESSMENT

no additional information is available

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REVISION 4
14/04/2015
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