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	Issue date: 10-02-2021
	Revision date: 23-07-2025
	According to Regulation: (EC) 1907/2006

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Salt tablets for water softening
 Synonyms : Art. 231265 - 237984
 CAS number : 7647-14-5
 EC number : 231-598-3
 Registration number (REACH) : -

1.2 Relevant identified uses and uses advised against

Relevant identified uses : Industrial; water treatment plants
 Uses advised against : undefined

1.3 Details of the supplier of the safety data sheet

: Hendi BV, Innovatielaan 6, 6745 XW De Klomp, The Netherlands
 tel: +31 (0)317 681040
 info@hendi.eu
 www.hendi.eu

1.4 Emergency telephone number : Hendi: +31 (0)317 681040 (CET 9:00 – 17:00)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

EC Index number : 231-598-3
 CLP Regulation (EC 1272/2008) : Not classified as a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

CLP Regulation (EC 1272/2008)
 Pictogram(s) : none
 Signal word : none
 Hazard statement(s) : none
 Precautionary statement(s) : none

2.3 Other hazards

: The product does not contain ingredients that meet the criteria for PBT or vPvB in accordance with Annex XIII.
 Mild irritation possible due to prolonged contact due to the sodium chloride. In large quantities slightly irritating to the respiratory tract due to the sodium chloride.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Chemical name	CAS number	EC number
Sodium chloride	7647-14-5	231-598-3

Molekularformel: NaCl

Molecular mass: 58.44 g

Additives: Ten-hydrate sodium hexacyanoferrate (if the product has been processed with a release agent)

Known impurities that pose a danger: none

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation:

When inhaling dust, bring the injured person into the fresh air and calm down. In case of breathing problems, call a doctor

If swallowed:

When the person is conscious, rinse mouth with water. Do not induce vomiting without medical advice. If swallowing significant amounts, consult a doctor.

Eye contact:

Remove contact lenses.

Rinse immediately with plenty of water after eye contact. In case of irritation, consult an ophthalmologist.

Skin contact:

Wash thoroughly with water after skin contact. In case of irritation, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No information/data available.

4.3 Indication of any immediate medical attention and special treatment needed

No information/data available.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

In the event of a fire in the vicinity, all extinguishing agents can be used.

Unsuitable extinguishing media:

Do not direct dense jets of water onto the surface of a burning product.

5.2 Special hazards arising from the substance or mixture:

Dangerous combustion products:

The product, when exposed to high temperatures in large quantities, can release dangerous decay products such as carbon monoxide and carbon dioxide.

5.3 Advice for firefighters:

The premises and risks associated with the products nearby, wear adapted respiratory protection equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES OF THE SUBSTANCE OR MIXTURE

6.1 Personal precautions, protective equipment & emergency procedures:

Avoid contact with the eyes. Personal protection: see point 8.

6.2 Environmental precautions:

Avoid entry into natural waters, sewerage and soil.

6.3 Methods and material for containment and cleaning up:

Released product: see point 8. Avoid contact with the eyes. Do not drink, eat or smoke in the workplace

6.4 Reference to other sections:

No references necessary.

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Recommendations for handling the mixture:

Provide adequate ventilation.
 Avoid contact with eyes and skin.
 Avoid generating dust.
 Avoid inhaling dust.

General industrial health and safety regulations:

Do not eat, drink or smoke when using this product.
 Wash hands thoroughly after handling.
 Replace contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities:

Storage in a clean, dry and temperature-controlled room is recommended. Storage rooms must be ventilated.
 It is advisable to use materials for machines, plants and structures that are resistant to salt corrosion.

7.3 Specific end use(s):

No data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The mixture does not contain any component with a known exposure limit value (France).

8.2 Exposure controls

Appropriate engineering controls:

Workstations and storage rooms must be well ventilated to keep the dust/vapour concentrations in the air below their limit values.

Individual protection measures



Eye protection:

If there is a risk of excessive dust development, wear safety glasses. Safety goggles (according to standard EN 166).



Hand protection:

Neoprene or nitrile gloves (according to standard EN 374). In case of prolonged contact with the skin, possibly wear gloves.

Respiratory protection:

Dust filter mask for working in an atmosphere contaminated with NaCl particles. Aerosol/dust filter Txp P1 (according to standard EN 143).

Industrial hygiene:

Wash hands after work with the product.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state at 20°C:	solid in the form of granules or tabs agglomerated or non-agglomerated crystal
Colour:	white,
Odour:	without smell
pH:	in aqueous solution at 100 g/l: 6.7 – 9.0
Melting point [°C]:	801
Boiling point [°C]:	not relevant
Flash point [°C] (cf):	not relevant
Evaporation rate:	not relevant
Flammability (solid, gaseous):	not relevant
Explosion limits:	not relevant
Vapour pressure [20°C]:	not relevant
Relative vapour density (air=1):	not relevant
Density:	of saturated solution at 20°C: 1.2
Solubility in water:	35.85 g % g water
Log P (octanol/water) at 20°C:	not relevant
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity:	not relevant
Explosive properties:	non-explosive
Combustion properties:	do not cause or promote combustion
Bulk density:	2163

9.2 Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

No information/data available.

10.2 Chemical stability:

Chemically stable product.

10.3 Possibility of hazardous reactions:

Does not take dangerous reactions.

10.4 Conditions to avoid:

See point 7.

10.5 Incompatible materials:

Oxidizing agents, strong acids, strong bases.

10.6 Hazardous decomposition products:

In case of fire, see point 5.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

No known toxicity DL 50:3.75 g/kg (oral, rat).

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Chronic toxicity:

The constituents are not included in the lists of carcinogenic, mutagenic and teratogenic substances of the European Union. There is no potential chronic effect on health to consider.

Information on the likely routes of exposure
Inhalation:

In large quantities for the respiratory tract due to the sodium chloride slightly irritating.

Eye contact:

Slight irritation possible with prolonged contact due to the sodium chloride.

Contact with skin:

Slight irritation possible with prolonged contact due to the sodium chloride.

Swallowing:

No risk under normal conditions of use.

11.2 Other information : No data.

SECTION 12. ECOLOGICAL INFORMATION
12.1 Toxicity:

About the product: Entry into natural waters, avoiding sewerage and soil.

Oxotoxic effect: Toxicity to:
 + Daphnen: C.L. 50-24 h: 4.800 mg/l
 + Fish – Brachydanio rerio: C.L. 50-24 h: 9.000 mg/l

12.2 Persistence and degradability:

No information / data available.

Biodegradability: No information / data available.

12.3 Bioaccumulative potential:

Non-biologically accumulatable.

12.4 Mobility in soil:

Influence on the surface of the plants (metabolic disorder) and on the soil (imbalance of minerals).

12.5 Results of PBT & vPvB assessment:

No information / data available.

12.6 Endocrine disrupting properties:

No data.

12.7 Other adverse effects:

No data.

SECTION 13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

: General: destruction in accordance with applicable national/local safety regulations.

Disposal of product waste: In France, polluted waste containing more than 20% water-soluble components must be disposed of in a center approved for stabilization before final disposal (special Class 1 repository center). Outside France, the respective national laws apply. They must be disposed of in accordance with the applicable local regulations.

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13.2 Other information : No data.

SECTION 14. TRANSPORT INFORMATION

General information:

The product is not subject to transport regulations: on the road RID / ADR by sea OMI / IMDG by air OACI / IATA

- 14.1 UN number or ID number:** Not classified as dangerous goods transport.
- 14.2 UN proper shipping name:** Not classified as dangerous goods transport.
- 14.3 Transport hazard class(es):** Not classified as dangerous goods transport.
- 14.4 Packing group:** Not classified as dangerous goods transport.
- 14.5 Environmental hazards:** Marine Pollutant – IMDG No.
- 14.6 Special precautions for user:** No special precautions (no transport classification of the product),
- 14.7 Bulk transport in accordance with Annex II to MARPOL 73/78 and IBC Code:** Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation (EC)

Check that all national or local regulations are complied with.

15.2 Chemical safety assessment : No information / data available.

SECTION 16. OTHER INFORMATION

16.1 Revision comments

A vertical line in the left margin indicates that there is a relevant amendment from the previous version.

16.2 Abbreviations and acronyms used in the safety data sheet

Abbreviations and Acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

16.3 References and sources for data : Safety data sheet manufacturer

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16.4 Other information and disclaimer

The content and format of this safety data sheet is in accordance with amendment of Regulation (EC) 1907/2006 via (EU) 2020/878.

All information given in this Safety Data Sheet is exclusively related to the product described and is provided assuming that the product will be used in a way and for the purposes as stated by the manufacturer. The information is based on our present state of knowledge and will be reviewed regularly. This Safety Data Sheet has only been set up with the intention to describe the safety aspects of the product and therefore should not be construed as guaranteeing specific properties of the product of concern or its suitability for a particular application. It is the user's own responsibility to take the precautionary measures described and also to take care that this information is complete and adequate for the use of this product. It is recommended to pass through the information in this Safety Data Sheet, whenever necessary in an adapted form, to all staff and interested parties of concern.

Changes, printing and typesetting errors reserved.