



SAFETY DATA SHEET SODIUM CHLORIDE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SODIUM CHLORIDE
Substance name : Sodium chloride
CAS-No. : 7647-14-5
EC-No. : 231-598-3
REACH Status : Substance is exempted from registration obligations according to Article 2 (7) (b) (Annex V) of the Regulation (EC) No 1907/2006

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : General use in Food, Feed, Agro and Industry., Water treatment chemical
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Vet Way Ltd
Airfield Business Park
Elvington, York, YO41 4EA
+44 (0) 1904 607 600
info@vet-way.com
www.vet-way.com

1.4. Emergency telephone number

Emergency telephone number : +44 (0) 1904 607 600

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Most important adverse effects

Human Health : See section 11 for toxicological information.

SODIUM CHLORIDE

Physical and chemical hazards : See section 9/10 for physicochemical information.
 Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

Additional Labelling:

Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.
 Exempt

SECTION 3: Composition/information on ingredients

3.1. Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Non-hazardous component

Chemical name	Identification Number	Amount [%]
Sodium chloride	CAS-No. : 7647-14-5 EC-No. 231-598-3	<= 100

SECTION 4: First aid measures

4.1. Description of first aid measures

If inhaled : Move to fresh air. Consult a physician after significant exposure.

In case of skin contact : Wash off with plenty of water.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.

SODIUM CHLORIDE

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting. Consult a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Heating or fire can release toxic gas.

Hazardous combustion products : Hydrogen chloride

5.3. Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit. In case of fire and/or explosion do not breathe fumes.

Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

SODIUM CHLORIDE

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Use mechanical handling equipment. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Ensure adequate ventilation.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Avoid dust formation.

Advice on protection against fire and explosion : No special precautions required.

Further information on storage conditions : Keep in a dry place. Product is hygroscopic.

Advice on common storage : Incompatible with strong acids and oxidizing agents.

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

SODIUM CHLORIDE

Appropriate engineering controls

Take measures to prevent the build up of electrostatic charge.

Personal protective equipment

Respiratory protection

Advice : In case of insufficient ventilation, wear suitable respiratory equipment.
Dust-mask

Hand protection

Advice : Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Protective gloves should be replaced at first signs of wear.

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : crystalline
Colour : white
Odour : odourless
Odour Threshold : Not applicable
pH : ca. 10 (10 %)

SODIUM CHLORIDE

Melting point/range	: 802 °C
Boiling point/boiling range	: 1,413 °C
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: 3.2 hPa (747 °C)
Relative vapour density	: Not applicable
Relative density	: no data available
Density	: 2.16 g/cm ³ (20 °C)
Water solubility	: 359 g/l (20 °C)
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: Not applicable
Thermal decomposition	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: EU legislation: Not explosive
Explosivity	: Product is not explosive.
Oxidizing properties	: none

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : Reacts with acids.
Reaction with oxidizing agents possible.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

SODIUM CHLORIDE

Hazardous reactions : Reacts with acids. Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Conditions to avoid : Strong acids.
Thermal decomposition : Not applicable

10.5. Incompatible materials

Materials to avoid : Avoid in conditions of high humidity/water, Reacts with base metals. Iron, Aluminium, Zinc

10.6. Hazardous decomposition products

Hazardous decomposition products : Small amounts of hydrogen chloride may be release at temperatures above the boiling point.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product	
Acute toxicity	
Oral	
LD50	: 3000 mg/kg (Rat)
Irritation	
Skin	
Result	: No skin irritation
Eyes	
Result	: Moderate eye irritation Particle may cause mechanical irritation.
Sensitisation	
Result	: Did not cause sensitisation on laboratory animals.
CMR effects	
CMR Properties	
Carcinogenicity	: It is not considered carcinogenic.
Mutagenicity	: It is not considered mutagenic.
Reproductive toxicity	: It is not considered toxic for reproduction.
Specific Target Organ Toxicity	
Single exposure	

SODIUM CHLORIDE

Remarks	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Repeated exposure	
Remarks	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Other toxic properties	
Aspiration hazard	
No aspiration toxicity classification,	
Further information	
Other relevant toxicity information	: Health injuries are not known or expected under normal use.

SECTION 12: Ecological information

12.1. Toxicity

Data for the product	
Acute toxicity	
Fish	
LC50	: 6,750 mg/l (fish; 96 h) (Toxicity to fish)
Toxicity to daphnia and other aquatic invertebrates	
EC50	: 2,024 mg/l (Daphnia (water flea); 48 h)
algae	
IC50	: 3014 mg/l (algae; 72 h) (Toxicity to algae)

12.2. Persistence and degradability

Component:	Sodium chloride	CAS-No. 7647-14-5
Persistence and degradability		
Persistence		
Result	: no data available	
Biodegradability		
Result	: The methods for determining the biological degradability are not applicable to inorganic substances.	

SODIUM CHLORIDE

12.3. Bioaccumulative potential

Data for the product
Bioaccumulation
<p>Result : Bioaccumulation is not expected.</p>

12.4. Mobility in soil

Data for the product
Mobility
<p>Result : The product is water soluble.</p>

12.5. Results of PBT and vPvB assessment

Data for the product
Results of PBT and vPvB assessment
<p>Result : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.</p>

12.6. Other adverse effects

Data for the product
Biochemical Oxygen Demand (BOD)
<p>Result : (0 mg/l; Incubation time: 5 d)</p>
Chemical Oxygen Demand (COD)
<p>Result : 0 mg/l</p>
Additional ecological information
<p>Result : Avoid long scale polluting on soil and water. Ecological injuries are not known or expected under normal use.</p>

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : Dispose of in accordance with local regulations.
Do not let product enter drains.
No further information available.

SODIUM CHLORIDE

Contaminated packaging : Empty remaining contents. Rinse with plenty of water. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Data for the product

Other regulations : Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).
Take note of the national regulations on the protection of young

SODIUM CHLORIDE

people at work.

Component:	Sodium chloride	CAS-No. 7647-14-5
-------------------	------------------------	--------------------------

EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325) : EC Number: , 231-598-3; Listed

EU. Directive 2012/18/EU (SEVESO III) Annex I : ; The substance/mixture does not fall under this legislation.

15.2. Chemical safety assessment

no data available

SECTION 16: Other information

Abbreviations and Acronyms

BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit

SODIUM CHLORIDE

PBT	persistent, bioaccumulative and toxic
REACH Auth. No.:	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
PNEC	predicted no-effect concentration
STOT	specific target organ toxicity
SVHC	substance of very high concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
vPvB	very persistent and very bioaccumulative
Further information	
Key literature references and sources for data	: Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
Methods used for product classification	: The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
Hints for trainings	: The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
Other information	: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
