

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

Version 5.0

Print Date 2020/07/13

Revision date / valid from 2020/07/13

MSDS code: MSAT100

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

1.1. Product identifier

Trade name : SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS
Substance name : Sodium chloride
CAS-No. : 7647-14-5
EC-No. : 231-598-3

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

Use of the Substance/Mixture : Chemical industry in general, Professional use, Industrial use
Uses advised against : At this moment we have not identified any uses advised against
Remarks : This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK Limited
Alpha House, Lawnswood Business Park
GB LS16 6QY Leeds
Telephone : +44 (0) 113 3879 200
Telefax : +44 (0) 113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)

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.

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

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.

Other labelling information:

Further information : 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.
The product does not need to be labelled in accordance with EC directives or respective national laws.

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	> 99.9

SECTION 4: First aid measures**4.1. Description of first aid measures**

General advice : No special precautions required.

If inhaled : Remove to fresh air.

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

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

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| In case of eye contact | : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Remove contact lenses. If symptoms persist, call a physician. |
| If swallowed | : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

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

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| 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

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| Treatment | : Treat symptomatically. |
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

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| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : none |

5.2. Special hazards arising from the substance or mixture

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| Specific hazards during firefighting | : Heating or fire can release toxic gas. |
| Hazardous combustion products | : Carbon oxides |

5.3. Advice for firefighters

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| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. |
| 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**

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| Personal precautions | : Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8. Ensure adequate ventilation. |
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SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**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.

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

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practice. 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 : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Product is hygroscopic. Protect against water. Avoid moisture. Keep away from direct sunlight.

Advice on common storage : Keep away from food, drink and animal feedingstuffs. Incompatible with strong acids and oxidizing agents.

Unsuitable packaging materials : Steel, Tin

7.3. Specific end use(s)

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional) : Contains no substances with occupational exposure limit values.
Information

8.2. Exposure controls**Appropriate engineering controls**

Take measures to prevent the build up of electrostatic charge.

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment*Respiratory protection*

Advice : If ventilation is insufficient, suitable respiratory protection must be provided
Required if dust is released
Dust-mask
Half mask with a particle filter P2 (EN 143)

Filter Type : P2 filter

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.
Protective gloves should be replaced at first signs of wear.

Material : Chemical resistant gloves.

Eye protection

Advice : Safety goggles

Skin and body protection

Advice : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Wear appropriate chemical resistant clothing and boots.

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**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 solid
Colour	: white
Odour	: odourless
Odour Threshold	: no data available
pH	: 4 - 9
Melting point/range	: 801 °C
Boiling point/boiling range	: > 1,413 °C
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 2.165 (20 °C)
Water solubility	: 360 g/l (20 °C) soluble
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosivity	: no data available
Oxidizing properties	: no data available

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**9.2. Other information**

No further information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Advice : No decomposition if stored and applied as directed.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Conditions to avoid : Avoid moisture, humid air and water. Keep away from direct sunlight.

10.5. Incompatible materials

Materials to avoid : Incompatible with strong acids and oxidizing agents. Water solution can be corrosive in contact with metals.

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon oxides, Chlorine compounds, Contact with acids liberates toxic gas. Hydrogen chloride

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 : Danger of mechanical irritation caused by dust particles.

Eyes

Result : Product dust may be irritating to eyes, skin and respiratory system.

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**Further information**

Other relevant toxicity : Handle in accordance with good industrial hygiene and safety information practice.

Experience with human exposure : Health injuries are not known or expected under normal use.,

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

Acute toxicity**Oral**

|| LD50 Oral : 3000 mg/kg (Rat)

Inhalation

LC50 : 42000 mg/m³ (Rat; 1 h)

Dermal

LD50 : > 10000 mg/kg (Rabbit)

Irritation**Skin**

Result : Particle may cause mechanical irritation.

Eyes

Result : Slight irritation is possible.
Particle may cause mechanical irritation.

Sensitisation

Result : not sensitizing

CMR effects**CMR Properties**

Carcinogenicity : no data available
Mutagenicity : Ames test: negative
Teratogenicity : no data available
Reproductive toxicity : no data available

Specific Target Organ Toxicity

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**Single exposure**

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**

Not applicable,

SECTION 12: Ecological information**12.1. Toxicity****Data for the product****Acute toxicity****Short-term (acute) aquatic hazard**

Result : The product is not classified as dangerous for the environment.

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

Acute toxicity**Fish**

LC50 : 7,341 mg/l (Carassius auratus; 96 h)
9,675 mg/l (Lepomis macrochirus (Bluegill sunfish); 96 h)

Toxicity to daphnia and other aquatic invertebrates

: 4,135 mg/l (Daphnia magna (Water flea); 48 h)

algae

EC50 : 4967 mg/l (algae; 72 h)

12.2. Persistence and degradability

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

Component:	Sodium chloride	CAS-No. 7647-14-5
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Persistence and degradability**Persistence**

Result : no data available

Biodegradability

Result : The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

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

Result : no data available

12.4. Mobility in soil

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

: no data available

12.5. Results of PBT and vPvB assessment

Component:	Sodium chloride	CAS-No. 7647-14-5
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Results of PBT and vPvB assessment

Result : The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

12.6. Other adverse effects**Data for the product****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

Component:	Sodium chloride	CAS-No. 7647-14-5
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Additional ecological information

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

Result : no data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
- Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. In accordance with local and national 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.

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Component:	Sodium chloride	CAS-No. 7647-14-5
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EU. Regulation No : EC Number: , 231-598-3; Listed
1451/2007 [Biocides],
Annex I, OJ (L 325)

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

UK. Releases to air and : Annual reporting level threshold: 10,000 kg
water (UK ISR)

Notification status
Sodium chloride:

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	231-598-3
ENCS (JP)	YES	(1)-236
IECSC	YES	
ISHL (JP)	YES	(1)-236
KECI (KR)	YES	KE-31387
NZIOC	YES	HSR002722
PICCS (PH)	YES	
TSCA	YES	

15.2. Chemical safety assessment

no data available

SECTION 16: Other information**Abbreviations and Acronyms**

BCF	bioconcentration factor
BOD	biochemical oxygen demand

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

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
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 our knowledge at the date of its revision. The

SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS

information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.