

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Identifier:**

**Product form:** Substance  
**Trade name:** SALT (PDV, GRANULAR, TABLETS)  
**IUPAC name:** Sodium Chloride  
**EC-No.:** 231-598-3  
**CAS-No.:** 7647-14-5  
**Formula:** ClNa  
**Other means of identification:** Sodium Chloride

**Relevant identified uses of the substance or mixture and uses advised against:**

**Relevant identified uses:**

**Use of the substance/mixture:** Chemical  
**Uses advised against:** No additional information available

**Company name:**

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## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification according to GB CLP (SI 2019:720 as amended):** Not classified

**Adverse physicochemical, human health and environmental effects:**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**Label elements:**

**Labelling according to GB CLP (SI 2019:720 as amended):** No labelling applicable.

**Other Hazards:**

This product does not contain substances at  $\geq 0.1\%$  that meet the PBT criteria of UK REACH regulation, annex XIII.  
This product does not contain substances at  $\geq 0.1\%$  that meet the vPvB criteria of UK REACH regulation, annex XIII.  
The substance is not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance:**

**Substance type:**

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
Sodium Chloride	CAS No.: 7647-14-5 EC No.: 231-598-3	100	Not classified

**Mixtures:** Not applicable.

## 4. FIRST AID MEASURES

**Description of first aid measures:**

**First-aid measures general:** If you feel unwell, seek medical advice.

**First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if irritation persists.

**First-aid measures after skin contact:** Wash immediately with plenty of soap and water. Get medical attention if symptoms are severe or persist after washing.

**First-aid measures after eye contact:** Rinse immediately with plenty of water. Remove contact lenses if easy to do. Continue to rinse for at least 15 minutes. Obtain medical attention if irritation persists.

**First-aid measures after ingestion:** Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/effects:** None known.

**Symptoms/effects after inhalation:** None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.

**Symptoms/effects after skin contact:** None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.

**Symptoms/effects after eye contact:** None under normal conditions. Dust from this product may cause eye irritation.

**Symptoms/effects after ingestion:** None under normal conditions.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Water spray. Dry powder. Foam. Carbon dioxide.

**Unsuitable extinguishing media:** Do not use a water jet since it may cause the fire to spread.

**Special hazards arising from the substance or mixture:**

**Fire hazard:** No fire hazard.

**Explosion hazard:** No direct explosion hazard.

**Hazardous decomposition products in case of fire:** Toxic fumes may be released. Hydrogen chloride. Phosgene.

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## Advice for fire-fighters:

**Firefighting instructions:** Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

**General measures:** Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. Avoid contact with skin and eyes. Avoid dust formation.

### For non-emergency personnel:

**Protective equipment:** Wear recommended personal protective equipment.

**Emergency procedures:** Ventilate spillage area.

### For emergency responders:

**Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency procedures:** Evacuate unnecessary personnel.

**Environmental precautions:** Avoid release to the environment.

### Methods and material for containment and cleaning up:

**For containment:** Stop leak if safe to do so. Prevent from spreading.

**Methods for cleaning up:** Mechanically recover the product.

**Other information:** Dispose of contaminated materials in accordance with current regulations.

**Reference to other sections:** For further information refer to section 13. See Section 8 for information on personal protection equipment.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

**Additional hazards when processed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Precautions for safe handling:** Ensure good ventilation of the workstation. Wear personal protective equipment.

**Hygiene measures:** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### Conditions for safe storage, including any incompatibilities:

**Technical measures:** Keep in a cool, well-ventilated place away from heat.

**Storage conditions:** Keep cool. Protect from sunlight.

**Heat and ignition sources:** Keep away from open flames, hot surfaces and sources of ignition.

**Information on mixed storage:** Keep away from food, drink and animal feeding stuffs.

**Packaging materials:** Store always product in container of same material as original container.

**Specific end use(s):** No additional information available.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

**National occupational exposure and biological limit values:** No additional information available.

**Recommended monitoring procedures:** No additional information available.

**Air contaminants formed:** No additional information available.

### DNEL and PNEC:

#### DNEL/DMEL (Workers):

Acute - systemic effects, dermal	295.52 mg/kg bodyweight/day
Acute - systemic effects, inhalation	2068.62 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	295.52 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2068.62 mg/m <sup>3</sup>

#### DNEL/DMEL (General population):

Acute - systemic effects, dermal	126.65 mg/kg bodyweight/day
Acute - systemic effects, inhalation	443.28 mg/m <sup>3</sup>
Acute - systemic effects, oral	126.65 mg/kg bodyweight/day
Long-term - systemic effects, oral	126.65 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	443.28 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	126.65 mg/kg bodyweight/day

#### PNEC (Water):

PNEC aqua (freshwater)	5 mg/l
PNEC aqua (intermittent, freshwater)	19

#### PNEC (Soil):

PNEC soil	4.86 mg/kg dwt
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#### PNEC (STP):

PNEC sewage treatment plant	500 mg/l
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**Control banding:** No additional information available.

**Appropriate engineering controls:** Provide local exhaust or general room ventilation.

**Personal protective equipment:** Wear recommended personal protective equipment.

**Personal protective equipment symbol(s):**



**Eye and face protection:**

**Eye protection:** Safety glasses. Wear eye protection.

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**Skin protection:**

**Skin and body protection:** Not required.

**Hand protection:** None under normal conditions.

**Respiratory protection:** No respiratory protection needed under normal use conditions.

**Thermal hazards:** No additional information available.

**Environmental exposure controls:** Avoid release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties:**

**Physical state:** Solid

**Appearance:** Crystals. Powder or tablet

**Colour:** White. Off-white

**Odour:** Odourless

**Odour threshold:** Not available

**pH:** 10

**pH solution concentration:** 10%

**Melting point:** 801°C atm. Press: 1 atm

**Freezing point:** Not applicable

**Boiling point:** 1413°C

**Flash point:** Not applicable

**Explosive limits:** Not applicable

**Lower explosion limit:** Not applicable

**Upper explosion limit:** Not applicable

**Vapour pressure:** 2.4 mm Hg

**Vapour pressure at 50°C:** Not available

**Relative vapour density at 20°C:** Not applicable

**Relative density:** 2.16 Type: 'relative density' Temp.: 25°C

**Density:** Not available

**Solubility:** Water: 35.9 g/l at 20°C

**Partition coefficient n-octanol/water (Log Kow):** Not available

**Auto-ignition temperature:** Not applicable

**Decomposition temperature:** Not available

**Viscosity, kinematic:** Not applicable

**Explosive properties:** Not applicable

**Oxidising properties:** Not applicable

**Other information:** No additional information available.

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## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid ignition sources. Avoid excessive heat. Moisture.
<b>Materials to avoid:</b>	Strong oxidising agents. Nitric acid. Sulphuric acid. metals.
<b>Hazardous decomposition products:</b>	Carbon monoxide. Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

<b>Acute toxicity (oral):</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Acute toxicity (dermal):</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Acute toxicity (inhalation):</b>	Not classified (Based on available data, the classification criteria are not met).

### SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

<b>LD50 dermal rabbit:</b>	> 10000 mg/kg bodyweight Animal: rabbit
<b>Skin corrosion/irritation:</b>	Not classified (Based on available data, the classification criteria are not met). pH: 10
<b>Serious eye damage/irritation:</b>	Not classified (Based on available data, the classification criteria are not met). pH: 10
<b>Respiratory or skin sensitisation:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Germ cell mutagenicity:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Carcinogenicity:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Reproductive toxicity:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>STOT-single exposure:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>STOT-repeated exposure:</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Aspiration hazard:</b>	Not classified (Based on available data, the classification criteria are not met).

### SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

<b>Viscosity, kinematic:</b>	Not applicable.
<b>Other information:</b>	Not applicable.

## 12. ECOLOGICAL INFORMATION

### Toxicity:

<b>Ecology – general:</b>	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>Hazardous to the aquatic environment, short-term (acute):</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Hazardous to the aquatic environment, long-term (chronic):</b>	Not classified (Based on available data, the classification criteria are not met).

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## SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

LC50 – Fish [1]	5840 mg/l Test organisms (species): Lepomis macrochirus
LOEC (chronic)	441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'
NOEC (chronic)	314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'

### Persistence and degradability:

#### SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

**Persistence and degradability:** Substance is inorganic.

### Bioaccumulative potential:

#### SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

**Bioaccumulative potential:** Substance is inorganic.

**Mobility in soil:** No additional information available.

### Results of PBT and vPvB assessment:

#### SALT (PDV, GRANULAR, TABLETS) (7647-14-5):

This product does not contain substances at  $\geq 0.1\%$  that meet the PBT criteria of UK REACH regulation, annex XIII.

This product does not contain substances at  $\geq 0.1\%$  that meet the vPvB criteria of UK REACH regulation, annex XIII.

**Other adverse effects:** No additional information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

**Sewage disposal recommendations:** Avoid direct discharge into drains.

**Product/Packaging disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

Recycle following cleaning. Disposal must be done according to official regulations.

**Additional information:** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**In accordance with ADR / IMDG / IATA / ADN / RID:** Not regulated.

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture:

Not classified as dangerous for supply or conveyance.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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## 16. OTHER INFORMATION

### Abbreviations and acronyms:

WEL : Workplace exposure limit.

TWA : Time Weighted Average.

PBT : Persistent, Bioaccumulative, Toxic.

vPvB : very Persistent, very Bioaccumulative.

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

RID : International Rule for Transport of Dangerous Substances by Rail.

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterway.

IMO/IMDG :International Maritime Organization/International Maritime Dangerous Goods Code.

ICAO/IATA :International Civil Aviation Organization/International Air Transport Association.

### Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation.

This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.