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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Datasheet Number: SP150 Version 2.0.0
- Product Name: Granular Salt
- Chemical Name: Sodium chloride
- Synonyms: Salt
- CAS Number: 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: Pool / spa treatment
- Use advised against: No information available

## 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Total Pool Chemicals Ltd
- Address of Supplier: Unit 1-5 , Pool Bank Business Park  
High Street, Tarvin  
Chester  
UK  
CH3 8JH
- Telephone: +44 (0)1829 740290
- Email: sales@totalpool.co.uk

## 1.4 Emergency telephone number

- +44 (0)1829 740290 (Office Hours)

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**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

## 2.2 Label elements

- Hazard pictograms: None
- Signal Word: None
- Hazard statements  
None
- Precautionary statements  
None
- Supplemental Hazard information (EU)  
None

## 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

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**SECTION 3: Composition/information on ingredients**

## 3.1 Substances

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**SECTION 3: Composition/information on ingredients (....)**

- Sodium chloride
  - Concentration: 99.8%
  - CAS Number: 7647-14-5
  - EC Number: 231-598-3
  - Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified

## 3.2 Mixtures

- Not applicable

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**SECTION 4: First aid measures**

## 4.1 Description of first aid measures

- Contact with eyes
  - If substance has got into eyes, immediately wash out with plenty of water for several minutes
  - Irrigate eyes thoroughly whilst lifting eyelids
  - Remove contact lenses, if present and easy to do. Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
- Contact with skin
  - Wash affected area with plenty of soap and water
  - If skin irritation occurs: Get medical advice/attention.
- Ingestion
  - Give plenty of water to drink
  - Get medical advice/attention.
- Inhalation
  - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - IF exposed or concerned: Get medical advice/attention.

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

- Contact with eyes
  - May cause redness and irritation
- Contact with skin
  - May cause redness and irritation
- Ingestion
  - The ingestion of significant quantities may cause gastro-intestinal disturbances
  - The ingestion of significant quantities may cause nausea/vomiting
  - The ingestion of significant quantities may cause diarrhoea
- Inhalation
  - In cases of severe exposure, irritation of the respiratory tract may develop

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

- Treat symptomatically

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**SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

- Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: No information available



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**SECTION 5: Firefighting measures (....)**

## 5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

## 5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

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**SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

- Rescuers should take suitable precautions to avoid becoming casualties themselves
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid formation of dust; Do not breathe dust; Wear protective clothing as per section 8; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear self-contained breathing apparatus (SCBA); Wear suitable protective clothing, eye/face protection and gloves

## 6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

## 6.3 Methods and material for containment and cleaning up

- Stop leak if safe to do so.
- Small spills  
Wipe up spillage with damp absorbent cloth or towel
- Large spills  
Avoid formation of dust  
Sweep or shovel-up spillage and remove to a safe place  
Place in sealable container  
Seal containers and label them  
Remove contaminated material to safe location for subsequent disposal  
Seek expert advice for removal and disposal of all contaminated materials and wastes  
Flush spill area with copious amounts of water

## 6.4 Reference to other sections

- See section(s): 7, 8 & 13

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**SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

- Avoid contact with skin and eyes
- Prevent formation of dust
- Do not breathe dust
- Wear protective clothing as per section 8
- Use good personal hygiene practices
- Wash thoroughly after handling.
- Eyewash bottles should be available

## 7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place

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**SECTION 7: Handling and storage (....)**

- Keep container tightly closed.
- Protect from moisture.
- Keep away from food, drink and animal feedingstuffs
- Keep away from acid

## 7.3 Specific end use(s)

- Pool / spa treatment
- 

**SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.  
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m<sup>3</sup> (8hr TWA) total inhalable dust; 4 mg/m<sup>3</sup> (8hr TWA) total respirable dust
- DNEL (inhalational) 2 068.62 mg/m<sup>3</sup> Industry, Long Term, Systemic Effects
- DNEL (inhalational) 2 068.62 mg/m<sup>3</sup> Industry, Acute/Short Term, Systemic Effects
- DNEL (dermal) 295.52 mg/kg (bw/day) Industry, Long Term, Systemic Effects
- DNEL (dermal) 295.52 mg/kg (bw/day) Industry, Acute/Short Term, Systemic Effects
- DNEL (inhalational) 443.28 mg/m<sup>3</sup> Consumer, Long Term, Systemic Effects
- DNEL (inhalational) 443.28 mg/m<sup>3</sup> Consumer, Acute/Short Term, Systemic Effects
- DNEL (dermal) 126.65 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
- DNEL (dermal) 126.65 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects
- DNEL (oral) 126.65 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
- DNEL (oral) 126.65 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects
- PNEC aqua (freshwater) 5 mg/l
- PNEC (STP) 500 mg/l
- PNEC terrestrial (soil) 4.86 mg/kg

## 8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls  
Ensure adequate ventilation  
Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines  
Use local exhaust ventilation and/or enclosures.
- Respiratory protection  
No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask  
Use type FFP1 (EN 143) dust masks
- Eye/face protection  
Wear safety glasses approved to standard EN 166 and ANSI Z87.1
- Skin protection  
For prolonged or repeated skin contact wear suitable protective gloves  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.  
The selection of a suitable glove depends on work conditions and whether the product is present on

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## SECTION 8: Exposure controls/personal protection (....)

its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.

- Hygiene measures
  - Use good personal hygiene practices
  - Wash thoroughly after handling.
  - Eyewash bottles should be available
- Environmental exposure controls
  - Do not empty into drains
  - Do not allow to penetrate the ground/soil.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Solid, white, granular crystals
- Odour: None
- Odour threshold: Not applicable
- pH: No information available
- Melting point/freezing point: 801 °C @ 101.325 kPa
- Initial boiling point and boiling range: 1413 °C
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): Not flammable
- Upper/lower flammability or explosive limits: Not applicable
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: 2.16 @ 25 °C
- Solubility(ies): Solubility in water: 317 g/l @ 20 °C
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: > 800 °C
- Viscosity: No information available
- Explosive Properties: Non-explosive
- Oxidising properties: Not oxidising

### 9.2 Other information

- No information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas

### 10.2 Chemical stability

- Stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

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**SECTION 10: Stability and reactivity (....)**

- Avoid formation of dust
- Under wet conditions salt can corrode many common metals, particularly iron, aluminium and zinc

## 10.5 Incompatible materials

- Incompatible with strong acids
- Incompatible with strong oxidizing substances

## 10.6 Hazardous decomposition products

- Decomposition products may include hydrogen chloride
- 

**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

- Acute Toxicity  
Based on available data, the classification criteria are not met  
LD50 (oral, rat) 3 980 mg/kg
  - Skin corrosion/irritation  
No adverse effect observed (not irritating)
  - Serious eye damage/irritation  
No adverse effect observed (not irritating)
  - Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met
  - Germ cell mutagenicity  
No evidence of mutagenic effects
  - Carcinogenicity  
No evidence of carcinogenic effects
  - Reproductive toxicity  
No evidence of reproductive effects
  - Specific target organ toxicity (STOT) - single exposure  
Based on available data, the classification criteria are not met
  - Specific target organ toxicity (STOT) - repeated exposure  
Based on available data, the classification criteria are not met
  - Aspiration hazard  
Based on available data, the classification criteria are not met
  - Contact with eyes  
May cause redness and irritation
  - Contact with skin  
May cause redness and irritation
  - Ingestion  
The ingestion of significant quantities may cause gastro-intestinal disturbances  
The ingestion of significant quantities may cause nausea/vomiting  
The ingestion of significant quantities may cause diarrhoea
  - Inhalation  
In cases of severe exposure, irritation of the respiratory tract may develop
- 

**SECTION 12: Ecological information**

## 12.1 Toxicity



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**SECTION 12: Ecological information (....)**

- Based on available data, the classification criteria are not met
  - LC50 (fish) 5.84 g/l (4 days)
  - LC50 (aquatic invertebrates) 4.136 g/l (48 hr)
  - EC50 (aquatic algae) 2.43 g/l (5 days)
- 12.2 Persistence and degradability
- Not applicable; inorganic
- 12.3 Bioaccumulative potential
- Bioaccumulation is not expected
- 12.4 Mobility in soil
- Large volumes may penetrate soil and contaminate groundwater
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
  - Not a vPvB according to REACH Annex XIII
- 12.6 Other adverse effects
- No information available
- 

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Disposal should be in accordance with local, state or national legislation
  - Do not discharge into drains or the environment, dispose to an authorised waste collection point
- 13.2 Classification
- The waste must be identified according to the List of Wastes (2000/532/EC)
  - Hazardous Property Code(s): None assigned
- 

**SECTION 14: Transport information**

Not classified as hazardous for transport

- 14.1 UN number
- UN No.: Not applicable
- 14.2 UN proper shipping name
- Proper Shipping Name: Not applicable
- 14.3 Transport hazard class(es)
- Hazard Class: Not applicable
- 14.4 Packing group
- Packing Group: Not applicable
- 14.5 Environmental hazards
- Not Classified
- 14.6 Special precautions for user
- No information available
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Not applicable
- 14.8 Road/Rail (ADR/RID)
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**SECTION 14: Transport information (....)**

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

**14.9 Sea (IMDG)**

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

**14.10 Air (ICAO/IATA)**

- Proper Shipping Name: Not applicable
  - ICAO UN No.: Not applicable
  - ICAO Hazard Class: Not applicable
  - ICAO Packing Group: Not applicable
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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

**15.2 Chemical safety assessment**

- No information available
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**SECTION 16: Other information**

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.

Sources of data: Information from published literature and supplier safety data sheets

Revision No. 2.0.0. Revised September 2020.

Changes made: Revisions to all sections to conform to Regulation (EU) 2015/830.

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- None assigned

**Acronyms**

- ATE: Acute Toxicity Estimate
  - CAS: Chemical Abstracts Service
  - DNEL: Derived No-Effect Level
  - EC: European Community
  - EC50: Effective Concentration, 50%
  - GHS: Globally Harmonised System
  - LC50: Lethal Concentration, 50%
  - LD50: Lethal Dose, 50%
  - NOAEC: No observed adverse effect concentration
  - NOAEL: No observed adverse effect level
  - OEL: Occupational Exposure Limit
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**SECTION 16: Other information (....)**

- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---

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