

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

**SALT (SODIUM CHLORIDE) - GRANULAR**

Version 4.1

Print Date 2017/12/13

Revision date / valid from 2017/12/13

**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  
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 : Kitchenmaster (NI) Ltd  
11 Comber Rd, Carryduff,  
Belfast, BT8 8AN  
Telephone : 028 9081 4777  
:  
:  
E-mail address : sales@kitchenmaster-ni.com

**1.4. Emergency telephone number**

Emergency telephone number : Emergency only telephone number  
028 9081 4777

**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.

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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**

<b>Chemical name</b>	<b>Identification Number</b>	<b>Amount [%]</b>
<b>Sodium chloride</b>	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.

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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**

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

### **5.2. Special hazards arising from the substance or mixture**

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

### **5.3. Advice for firefighters**

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**

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**

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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)**

Specific use(s) : No information available.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Other Occupational Exposure Limit Values

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

##### Component:

##### Other Occupational Exposure Limit Values

UK. EH40 Workplace Exposure Limits (WELs), Time Weighted Average (TWA):, Inhalable dust., Inhalable dust.  
10 mg/m<sup>3</sup>, 8 h

UK. EH40 Workplace Exposure Limits (WELs), Time Weighted Average (TWA):, Respirable dust., Respirable dust  
4 mg/m<sup>3</sup>, 8 h

#### 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.

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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.

### **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	:	5 - 8 (50 g/l ; 20 °C)(as aqueous solution)
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

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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

### **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**

## **SALT (SODIUM CHLORIDE) - GRANULAR / PDV / TABLETS**

### **Data for the product**

#### **Acute toxicity**

##### **Oral**

LD50 : 3000 mg/kg (Rat) Please find this information in the listing of the component/components below in this section.

#### **Irritation**

##### **Skin**

Result : Danger of mechanical irritation caused by dust particles.

##### **Eyes**

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

#### **Further information**

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

##### **Inhalation**

LC50 : 42000 mg/m<sup>3</sup> (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



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### 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

#### 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

#### Acute aquatic toxicity

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

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

#### Acute toxicity

#### Fish

LC50 : 7341 mg/l (Carassius auratus; 96 h)  
9675 mg/l (Lepomis macrochirus (Bluegill sunfish); 96 h)

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### **Toxicity to daphnia and other aquatic invertebrates**

: 4135 mg/l (Daphnia magna (Water flea); 48 h)

### **algae**

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

## **12.2. Persistence and degradability**

<b>Component:</b>	<b>Sodium chloride</b>	<b>CAS-No. 7647-14-5</b>
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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**

<b>Component:</b>	<b>Sodium chloride</b>	<b>CAS-No. 7647-14-5</b>
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### **Bioaccumulation**

Result : no data available

## **12.4. Mobility in soil**

<b>Component:</b>	<b>Sodium chloride</b>	<b>CAS-No. 7647-14-5</b>
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### **Mobility**

: no data available

## **12.5. Results of PBT and vPvB assessment**

<b>Component:</b>	<b>Sodium chloride</b>	<b>CAS-No. 7647-14-5</b>
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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.

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### **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

##### **Additional ecological information**

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.

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### **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**

<b>Component:</b>	<b>Sodium chloride</b>	<b>CAS-No. 7647-14-5</b>
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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.

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

WGK (DE) : WGK 1: slightly water endangering: 270; Classification source is Annex 2.

### **15.2. Chemical safety assessment**

no data available

## **SECTION 16: Other information**

### **Abbreviations and Acronyms**

**BCF** bioconcentration factor

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<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>vPvB</b>	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 information given only describes the products with

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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.