



# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II (453/2010) - Europe

## Granular Salt

Issue 2T  
Revision 19 May 2015

### 1 Identification of the substance/mixture and of the company undertaking

#### 1.1 Product Identifier

Product Name Granular Salt

Product Codes 3482

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

Identified Uses of the substance/mixture Water Softener Regeneration Salt. Professional Use

Uses advised against Uses other than those identified are not recommended

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

|                          |                      |       |                        |
|--------------------------|----------------------|-------|------------------------|
| Manufacturer/Distributor | RP Adam Ltd          | Tel.  | +44 (0) 1750 21586     |
|                          | Arpal Works          | Fax.  | +44 (0)1750 21506      |
|                          | Riverside Road       | email | Salesinfo@rpadam.co.uk |
|                          | Selkirk, TD7 5DU, UK |       |                        |

#### 1.4 Emergency Telephone Number

National Advisory Body/Poison Centre

Tel. National Poison Information Service 0870 243 2241 (UK Only)  
(0870 600 6266 Medical Professionals Only – UK Only)

Manufacturer/ Distributor/ Importer

Telephone number: + 44 (0)1750 21586

### 2 Hazards Identification

#### 2.1 Classification of Substance or mixture

Product Definition Substance

#### Classification according to Regulation (EC) No. 1272/2008

Physical Hazards No Significant Hazards

Human Health Hazards No Significant Hazards

Environmental Hazards No Significant Hazards

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

#### 2.2 Label In Accordance With (EC) No. 1272/2008

Hazard Symbol(s) N/A

Indication of danger N/A

Risk Phrases

Safety Phrases

#### 2.3 Other hazards

Other hazards which do not result in classification Not applicable

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### 3 Composition/Information on Ingredients

#### 3.2 Mixtures

| Product/Ingredient Name | Identifiers<br>Reach No/CAS/EC No             | %     | Classification |                                        | Type |
|-------------------------|-----------------------------------------------|-------|----------------|----------------------------------------|------|
|                         |                                               |       | 67/548/EEC     | Regulation (EC) No.<br>1272/2008 [CLP] |      |
| Sodium Chloride         | 01-2119485491-33/<br>7647-14-5 /<br>231-598-3 | >99.8 | N/A            | N/A                                    |      |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

- Type
- 1 Substance classified with a health or environmental hazard
  - 2 Substance with a workplace exposure limit
  - 3 Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
  - 4 Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

### 4 First aid measures

#### 4.1 Description of first aid measures

|                           |                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact               | Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention. |
| Inhalation                | Remove from source of exposure.                                                                                                                   |
| Skin Contact              | Wash skin with water.                                                                                                                             |
| Ingestion                 | Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention if ill-effects occur.                      |
| Protection of First Aider | Wear PPE if appropriate (Refer to section 8.2)                                                                                                    |

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

##### Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Irritations are the most likely symptoms when there is exposure to skin and eyes. Not considered to cause sensitization. Further important symptoms and effects are so far not known.

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

##### Treatment

Treat according to symptoms (decontamination, vital functions). Toxicological information on components, where available, is given in section 11.

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### 5 Fire fighting measures

#### 5.1 Extinguishing media

|                                |                                      |
|--------------------------------|--------------------------------------|
| Extinguishing media            | As appropriate for surrounding fire. |
| Unsuitable extinguishing media | None known                           |

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

|                                       |            |
|---------------------------------------|------------|
| Hazards from the substance or mixture | None known |
| Hazardous combustion products         | None known |

#### 5.3 Advice for fire-fighters

|                                                |                                                                                                                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special precautions for fire-fighters          | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | Fire-fighters should wear self-contained breathing apparatus and suitable personal protective equipment as appropriate to the surrounding fire.                                             |

### 6 Accidental release measures

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

Do not breathe dust. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

#### 6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Contain contaminated water/fire fighting water.

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

|              |                                                                                                                                                                                                        |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Small spill: | Sweep up spillage and rinse area with water                                                                                                                                                            |
| Large spill  | Prevent entry into sewers, water courses, basements or confined areas. Sweep up spillage and place in container for disposal according to local regulations (see section 13).and rinse area with water |

#### 6.4 Reference to other sections

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

### 7 Handling and storage

#### 7.1 Precautions for safe handling

Keep container tightly closed. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with the skin, eyes and clothing. Do not eat, drink or smoke in area where material is used or stored.

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

Store in original labelled containers. Keep container tightly closed, upright and in a cool dry place.

#### 7.3 Specific end use(s)

|                                      |                                |
|--------------------------------------|--------------------------------|
| Recommendations                      | Not specific advice available. |
| Industrial sector specific solutions | Not applicable.                |

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### 8 Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational exposure limits

###### Product/ingredient name

Dust

###### Exposure limit values

Total Inhalable 10 mg.m<sup>-3</sup>

Respirable 4 mg.m<sup>-3</sup>

##### Derived effect levels

No DNELs available for the mixture

##### Predicted effect concentrations

No PNECs available for the mixture.

#### 8.2 Exposure controls

##### Process conditions

Provide eye-wash stations

##### Engineering Measures

Wear appropriate PPE if contact is possible. If airborne vapours or mists are generated provide adequate general and local exhaust ventilation to keep exposure below any statutory limits.

##### Personal Protective Equipment

Respiratory protection:

Not needed in normal use.

Hand protection

Not normally required. Wear rubber gloves when handling for prolonged periods or for individuals with sensitive skin

Eye protection

Not needed in normal use.

Body protection:

Not needed in normal use.

##### General safety and hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

### 9 Physical & chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                              |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| Physical state                               | Granular solid                                                     |
| Colour                                       | White                                                              |
| Odour                                        | Odourless                                                          |
| Odour threshold                              | Not determined for the mixture.                                    |
| pH value 20 Deg C                            | Not determined for the mixture.                                    |
| Melting point/Freezing point                 | 802 Deg C.                                                         |
| Initial boiling point and boiling range      | 1413 Deg C                                                         |
| Flash point                                  | Not determined for the mixture.                                    |
| Evaporation rate                             | Not determined for the mixture.                                    |
| Flammability (solid, gas)                    | Not flammable.                                                     |
| Burning time                                 | Not determined for the mixture.                                    |
| Burning rate                                 | Not determined for the mixture.                                    |
| Upper/lower flammability or explosive limits | Not determined for the mixture.                                    |
| Vapour pressure                              | Not determined for the mixture.                                    |
| Relative density                             | 1.2-1.5                                                            |
| Solubility(ies)                              | Readily soluble in cold and hot water with some marlstone residue. |
| Partition coefficient: n-octanol/water       | Not determined for the mixture.                                    |
| Auto ignition temperature                    | Not determined for the mixture.                                    |
| Decomposition temperature                    | Not determined for the mixture.                                    |
| Viscosity                                    | Not determined for the mixture.                                    |
| Explosive properties                         | Not explosive                                                      |
| Oxidising properties                         | None                                                               |

#### 9.2 Other Information

No further relevant information available

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### 10 Stability and Reactivity

|                                                |                                                                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>10.1 Reactivity</b>                         | No specific test data related to reactivity available for this product or its ingredients.                                                                     |
| <b>10.2 Chemical Stability</b>                 | Stable mixture under normal conditions or storage and use.                                                                                                     |
| <b>10.3 Possibility of hazardous reactions</b> | Reactions with concentrated acid will produce hydrogen chloride. Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc. |
| <b>10.4 Conditions to avoid</b>                | None known in normal storage conditions.                                                                                                                       |
| <b>10.5 Incompatible materials</b>             | None known.                                                                                                                                                    |
| <b>10.6 Hazardous decomposition products</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.                                                           |

### 11 Toxicology

#### 11.1 Information on toxicological effects

Toxicological data for this mixture is not available as animal toxicity studies have not been carried out. Toxicological data for the raw materials is, where provided by the manufacturer, available on request.

### 12 Ecological information

#### 12.1 Toxicity

Not regarded as dangerous for the environment.

**Acute Fish Toxicity** - Not considered toxic to fish.

|               |         |           |
|---------------|---------|-----------|
| LC 50, 96hrs  | Fish    | 6750 mg/l |
| EC 50, 48 hrs | Daphnia | 3024 mg/l |
| IC 50, 72 hrs | Algae   | 3014 mg/l |

#### 12.2 Persistence and degradability

**Conclusion/Summary** Not readily biodegradable

#### 12.3 Bioaccumulative potential

**Conclusion/Summary** No data available on bioaccumulation.

#### 12.4 Mobility in soil

**Soil/water partition coefficient (KOC)** -3.0

**Mobility** Soluble in water

#### 12.5 Results of PBT and vPvB assessment

**PBT** Not applicable.

**vPvB** Not applicable.

**12.6 Other adverse effects** No known significant effects or critical hazards.

### 13: Disposal considerations

#### 13.1 Waste treatment methods

|                                              |                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste from residues / unused products</b> | Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.<br>EWC Code 20 01 29* - detergents containing dangerous substances |
| <b>Empty packaging recommendation:</b>       | Dispose of observing national or local regulations. (Can be cleaned with water)<br>EWC Code 20 01 39                                                             |

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### 14: Transport information

|                                                                              | ADR/RID      | ADN/ADNR                                     | IMDG                                | IATA |
|------------------------------------------------------------------------------|--------------|----------------------------------------------|-------------------------------------|------|
| 14.1 UN number                                                               |              |                                              | None                                |      |
| 14.2 UN proper shipping name                                                 |              |                                              | Not Required                        |      |
| 14.3 Transport hazard class(es):                                             |              | Not considered to be hazardous for transport |                                     |      |
| 14.4 Packing group                                                           |              | Not Required                                 |                                     |      |
| 14.5 Environmental hazards                                                   |              | None                                         |                                     |      |
| 14.6 Special precautions for user                                            |              | None known                                   |                                     |      |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode |              |                                              | Product not transported bulk tanker |      |
| Other relevant information (ADR)                                             | Not required |                                              |                                     |      |

### 15: Regulatory information

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

##### Ingredients according to EC Detergents Regulation 648/2004

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

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

### 16: Other information

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**Reason for revision:** Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

**Full text of the R, H and EUH phrases mentioned in section 3**

#### Abbreviations and acronyms

|               |                                                                                   |
|---------------|-----------------------------------------------------------------------------------|
| ATE           | Acute Toxicity Estimate                                                           |
| CLP           | Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008] |
| DNEL          | Derived No Effect Level                                                           |
| EUH statement | CLP-specific Hazard statement                                                     |
| N/A           | Not Applicable                                                                    |
| PNEC          | Predicted No Effect Concentration                                                 |
| REACH No      | REACH registration number, without supplier specific part                         |