

DRI-PAK LIMITED

SAFETY DATA SHEET in accordance with Regulation (EC) 1272/2008 and Regulation (EU) 453/2010

Product: **DISHWASHER SALT GRANULES - OPAL**

MSDS 01/01/D

Version 1

Date compiled November 2012

Revision 0

Date revised N/A

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product Identifier**Product Name **Dishwasher Salt Granules - Opal**

Chemical Name Sodium chloride

Alternative names Common Salt, Evaporated Salt, Pure Dried Vacuum Salt

CAS Number 007647-14-5

EC Number 231-598-3

1.2 Relevant identified uses of the substance/mixture and uses advised againstGenerally used, **as advised**, for household culinary purposes and in dishwashers.

1.2.1 Uses advised against Use only as directed.

1.3 Details of the supplier of the safety data sheetCompany Details Dri-Pak Limited,
Furnace Road,
Ilkeston, Derbyshire, DE7 5EP

Telephone 0115 9 325165

Fax 0115 9 440297

E-mail address bruce@dripak.co.uk

1.4 Emergency Telephone NumberEmergency Number 07836 697940

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**2.1.2 Classification according to Regulation (EC) No 1272/2008 and EU Directive 67/548/EEC
Not classified as for supply.**2.2 Label elements**2.2.1 Labelling according to Regulation (EC) No 1272/2008 and EU Directive 67/548/EEC
No special labelling identified.**2.3 Other hazards**

The substance does not meet the criteria for a PBT or vPvB substance.

No other information is available.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1/2 Substance/Mixture**

Constituent	Formula	Purity %w/w (typical)	CAS Number	EC Number
Sodium chloride	NaCl	>99.5%w/w	007647-14-5	231-598-3

Impurities

None identified.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

4.1.1 General advice	No known delayed effects.
Inhalation	Move to fresh air, keep warm and at rest.
Skin contact	Wash skin with water. If irritation occurs and persists seek medical advice.
Eye contact	Remove contact lenses if present. The eye should be thoroughly irrigated with clean water for not less than 10 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention if symptoms develop.
Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If patient feels unwell obtain medical attention.
Further Medical Treatment	Symptomatic treatment and supportive therapy as indicated.

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4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Irritation may occur.

Eye contact: Redness or irritation may occur.

Ingestion: May cause coughing.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Not combustible though packaging may burn.

5.1.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

None identified.

5.3 Advice for fire fighters

No special precautions required. Use suitable measures for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non emergency personnel

Keep dust levels to a minimum.

6.1.2 For emergency responders

In the event of accidental release of bulk solid wear suitable gloves and eye/face

protection. Use vacuum suction or shovel into containers for re-use or disposal according to local legislation.

The affected area can be cleaned with plenty of water.

6.2 Environmental precautions

Prevent uncontrolled discharges into the environment. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Refer to 6.1 above.

6.4 Reference to other sections

For personal protection see Section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Always follow good personal hygiene when working with this product. Wash promptly with water if skin becomes contaminated. Keep dust levels to a minimum.

7.2 Conditions for safe storage, including any incompatibles

Store in a cool dry place in the original containers. Keep away from strong acids and common metals.

7.3 Specific end use(s)

Refer to label on container.

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8. EXPOSURE CONTROLS /PERSONAL PROTECTION**8.1 Control parameters**

Workplace Exposure Limits (UK HSE EH40). Long Term Exposure Limit (8hr time weighted average) Total Inhalable Dust: 10 mg/m³; Respirable Dust: 4 mg/m³.

8.2 Exposure controls**8.2.1 Appropriate engineering controls (for bulk product)**

Provide adequate general ventilation.

8.2.2 Personal protective equipment (for bulk product)

Respiratory protection In the case of high dust levels wear suitable respiratory protective equipment e.g. dust mask or respirator, that conform international standard, EN143. Recommended filter type P2.

Eye protection Wear suitable eye/face protection.

Skin protection Gloves are recommended for people with sensitive or damaged skin. Avoid prolonged contact with skin. Rinse hands after use.

Industrial Hygiene Normal standards of industrial hygiene should be observed.

Disposal Use product as directed on label.

8.2.3 Environmental exposure controls

Contain any large spillage, avoid large discharges to the environment. Dispose of any large rinse water in accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	white crystals
Odour	odourless
Odour threshold	not applicable
pH	7.0 (saturated solution)
Melting point/Freezing Point	802 deg C
Initial boiling point and boiling point range	1413 deg C
Flash point	not applicable (inorganic substance)
Evaporation rate	not applicable
Flammability (solid, gas)	non-flammable
Upper flammability or explosive limits	non-flammable
Vapour pressure	not applicable
Vapour density	not applicable
Relative density (bulk density)	up to 2.165 g/ml (1.2 to 1.50) g/ml except tablets
Solubility(water)	soluble
Partition coefficient: n-octanol/water	not applicable (inorganic substance)
Autoignition temperature	non flammable
Decomposition temperature	not applicable
Viscosity	not applicable
Explosive properties	not explosive
Oxidising properties	not an oxidising product

9.2 Other information

No other information available.

10. STABILITY AND REACTIVITY**10.1 Reactivity**

Stable.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Reaction with concentrated sulphuric acid will produce hydrogen chloride. Under wet conditions, will assist the corrosion of many common metals, particularly iron, aluminium and zinc.

10.4 Conditions to avoid

Exposure to moisture.

10.5 Incompatible materials

None in normal use.

10.6 Hazardous decomposition products

None.

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11. TOXICOLOGICAL INFORMATION11.1 Information on toxicological effects

No specific information available.

Inhalation High concentrations of dust may be irritant to the respiratory tract.

Skin contact Repeated or prolonged contact may result in dryness leading to mild irritation.

Eye contact Dust may cause irritation and redness.

Ingestion Unlikely to be harmful unless excessive amount swallowed. Large amounts may cause vomiting and diarrhoea. Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance.

12. ECOLOGICAL INFORMATION12.1 Toxicity

Low toxicity to aquatic organisms.

12.2 Persistence and degradability

The substance is inorganic and biodegradation is not appropriate.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

The product is soluble in water and is predicted to have high mobility in soil.

12.5 Results of PBT and vPvB assessment

Not a PBT or a vPvB substance.

12.6 Other adverse effectsNo other adverse effects are identified.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, county or national legislation.

13.1 Waste treatment methodsSmall quantities may be washed away using plenty of water. Dispose of contents by using as per directions for use. Recycle packaging where possible.

14. TRANSPORT INFORMATIONNo special precautions required. Not classified as dangerous for transport.

15. REGULATORY INFORMATION15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Health, safety and environmental details to be shown on label, Ref. Regulation (EC) No 1272/2008 and EU Directive 67/548/EEC

Refer to Section 2, no special details required.

15.2 Chemical safety assessmentNo specific information available.

16. OTHER INFORMATION

Abbreviations and acronyms

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

The product information in this Data Sheet is, to the best of Dri-Pak's knowledge, correct as at the date of publication. No warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself/herself that the product is suitable for his/her purpose.
