

# JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

54058

18/01/07

## SALT TABLETS

### 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

**Product stock codes:** 54058

**Product Name:** Sodium Chloride. Salt Tablets.

**Uses:** Water treatment

**Synonym(s):** Sodium Chloride, Water softening Salt, Common Salt

**Manufacturer:** Ineos Enterprises  
Mersey View Road  
Weston Point  
Runcorn  
Cheshire WA7 4HB  
Tel: 01928 581800

**Emergency Phone Number:** For specialist advice in an emergency telephone Runcorn (01928) 581,800

**Distributor:** John Astley & Sons Ltd,  
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Coventry Business Park,  
Coventry, CV5 6UF  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Sodium Chloride.

**CAS No:** 007647-14-5

**EINECS Number:** 231-598-3

**Hazardous Ingredients:** Contains no hazardous Ingredients in accordance with EC Directive 93/112/EEC

### 3. HAZARDS IDENTIFICATION

**Hazards:** Unlikely to cause harmful effects under normal conditions of handling and use

### 4. FIRST AID MEASURES

**General effects:** Irritating to mucous membrane and eyes.

**Inhalation:** Remove patient from exposure.

**Eye contact:** Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.

**Skin contact:** Wash skin with water.

**Ingestion:** Vomiting is likely.  
Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.  
Obtain medical attention if ill effects occur.

**Further Medical Treatment:** Symptomatic treatment and supportive therapy as indicated.

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### 5. FIRE FIGHTING MEASURES

Non-flammable. Will withstand temperatures up to its melting point and beyond without decomposing

**Extinguishing media:** As appropriate for surrounding fire.

**Protective Equipment:** No special requirements.

### 6. ACCIDENTAL RELEASE MEASURES

**Clean up method:** Clear up spillages. Transfer to a container for disposal.  
Wash the spillage area with water.

Spillages or uncontrolled discharges into watercourses, drains or sewers must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

### 7. HANDLING AND STORAGE

**Handling:** Avoid prolonged skin contact. Avoid inhalation of high concentrations of dusts. Atmospheric levels should be controlled in compliance with the occupational exposure limit. Keep away from concentrated acids and common metals. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially where a spark could prove hazardous.

**Storage:** Keep container dry. Keep away from strong acids.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Precautions:** Wear suitable protective clothing, gloves and eye/face protection. An approved dust mask should be worn if exposure to high levels of dust is likely.

**Occupational Exposure Standard:**

Long Term Exposure Limit:	(8hr time weighted average)
Total Inhalable Dust:	10 mg/ m <sup>3</sup>
Respirable Dust:	4 mg/ m <sup>3</sup>

(UK HSE Guidance Note EH40)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Crystals.  
**Appearance:** Compacted Pure Dried Vacuum Salt.  
**Colour:** Colourless.  
**Odour:** Odourless.  
**Melting point:** 802°C.  
**Boiling point:** 1413°C  
**Density:** Sodium Chloride (g/ml): up to 2.165 at 20°C.  
**Bulk density (g/ml):** 1.2 to 1.5 approx.  
**Solubility:** Freely soluble.

### 10. STABILITY AND REACTIVITY

**Stability:** Reaction with concentrated acid, will product hydrogen chloride. Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc

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### 11. TOXICOLOGICAL INFORMATION

- Inhalation:** High concentrations of dust may be irritant to the respiratory tract.
- Skin Contact:** Dry salt and concentrated solutions will remove the natural greases from the skin resulting in dryness. Repeated and/or prolonged contact may cause irritation.
- Eye Contact:** High concentrations may cause irritation
- Ingestion:** The swallowing of small amounts is unlikely to cause any adverse effects. Excessive doses may result in irritation of the gastrointestinal tract leading to nausea vomiting and diarrhoea
- Long Term Exposure:** Chronic effects may result from the ingestion of excessive amounts of either salt or brine. Ingestion of Hypertonic solutions can cause disturbance of body electrolyte and fluid balance.

### 12. ECOLOGICAL INFORMATION

- Environmental fate and distribution:** High tonnage material used in open systems. Solid with low volatility. The product is soluble in water. The product has no potential for bioaccumulation. The product is predicted to have high mobility in soil.
- Toxicity:** Low toxicity to aquatic organisms.
- Effect on Effluent Treatment:** Adverse effects would not be expected.

### 13. DISPOSAL CONSIDERATIONS

- Waste disposal:** Disposal should be in accordance with local, state or national legislation

### 14. TRANSPORT INFORMATION

- Classification:** Not classified as Hazardous for transport.

### 15. REGULATORY INFORMATION

- Classification:** Not Classified as Hazardous/Dangerous for Supply or Use.
- EEC Classification:** Under the Classification, Packaging and Labelling of Dangerous Substances Regs, 1984, this material is not dangerous for supply or conveyance.
- Transport:** Not Classified as Hazardous for Transport

### 16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive 93/112/EC. Information in this publication is believed to be accurate and is given in good faith but the Customer should ensure the suitability for any particular purpose. Accordingly, Ineos gives no warranty as to the fitness of the Product for any and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

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PLEASE ENSURE THIS SAFETY DATA SHEET IS PASSED TO THE APPROPRIATE PERSONS IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

Issued: November 2005

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### SALT TECHNICAL DATA

### SPECIFICATION

No: WPS/HG/001

ISSUE: 6

DATE: December 2005

### 'hydrosoft' TABLET SALT

'hydrosoft' tablets are premium quality compacted salt, one of Ineos Enterprises' range of superior products for water softener regeneration. The specification is assured by an audited Quality System to ISO 9001:2000, so ensuring consistent performance.

### CHEMICAL SPECIFICATION

All values except moisture are calculated on a dry basis. Test methods used are BS998:1990 or equivalent, except appearance which is a visual assessment.

PROPERTY	UNIT	SPECIFICATION	TYPICAL ANALYSIS
Appearance		White	
Assay	%m/m NaCl	> 99.9	99.9
Moisture	%m/m H <sub>2</sub> O	< 0.05	0.01
Insoluble matter	mg/kg	< 100	10
*Alkalinity	mg/kg Na <sub>2</sub> CO <sub>3</sub>	< 150	88
*Sulphate	mg/kg Na <sub>2</sub> SO <sub>4</sub>	< 500	200
Total Iron	mg/kg Fe	< 3	0.9
*Total Calcium	mg/kg Ca	< 20	3.0
*Total Magnesium	mg/kg Mg	< 5	0.06
*Total Copper	mg/kg Cu	< 0.2	0.02
*Total Arsenic	mg/kg As	< 0.2	< 0.2
*Total Lead	mg/kg Pb	< 0.05	0.01
*Total "Cadmium	mg/kg Cd	< 0.1	< 0.001
*Total Mercury	mg/kg Hg	< 0.05	< 0.03
Anti-caking agent	mg/kg	< 1	< 1

\* measured on PDV

### TYPICAL PHYSICAL CHARACTERISTICS

Tablet weight:	10g Approx
Tablet dimension:	22x 22 x 12mm
Whole Tablets:	90%m/m min
Fines:	2%m/m max

### Important Note:

The information contained in this document is given in good faith and is to the best of Ineos' knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purposes.

### Ineos Enterprises

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