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**1. IDENTIFICATION OF THE PRODUCT AND COMPANY**

**IDENTIFICATION/PRODUCT NAME** Soda Crystals, washing soda, washing soda crystals, fine soda crystals, sodium carbonate decahydrate, hydrated soda ash.

**PRODUCT DESCRIPTION**

A crystalline solid classified herein as a preparation containing sodium carbonate and water together with an anti-caking agent. Generally used as a water softener in laundry operations, as a cleaning aid and as a mild alkali.

**COMPANY DETAILS**

Dri-Pak Limited  
Furnace Road  
Ilkeston  
Derbyshire  
DE7 5EP  
Telephone 0115 932 5165  
Fax 0115 944 0297  
Emergency Telephone 0115 928 3793

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

A preparation containing sodium carbonate and water together with an anti-caking agent.

	<b>Concentration</b>	<b>Symbol</b>	<b>Risk Phrase</b>
Sodium carbonate	greater than 30%	Xi	R36
	<b>CAS</b>	<b>EINECS</b>	
Sodium carbonate	000497-19-8	207-838-8	

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**3. HAZARDS IDENTIFICATION**

**Xi; R36 Irritating to eyes Ref. CHIP3**

An alkaline preparation which may cause irritation to the eyes and, on prolonged contact, to the skin.  
Irritating to the respiratory system.

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**4. FIRST AID MEASURES**

Inhalation	Remove patient to fresh air, keep warm and at rest. Keep patient under observation at all times. Obtain medical attention if symptoms develop.
Skin contact	Remove contaminated clothing. Dust off promptly and wash the skin with plenty of water until no 'soapy' feeling remains. Obtain medical attention if symptoms develop.
Eye contact	The eye should be thoroughly irrigated for not less than 10 minutes with clean water. Obtain medical attention.
Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. Obtain immediate medical attention if patient feels unwell.
Further Medical Treatment	Symptomatic treatment and supportive therapy as indicated.

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### **5. FIRE FIGHTING MEASURES**

No specific fire fighting procedure given. Not combustible though packaging may burn.

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### **6. ACCIDENTAL RELEASE MEASURES**

In the event of accidental release wear suitable PPE. The preparation can be gently brushed up and placed in suitable dry, covered containers. The affected area can then be cleaned with water. Do not generate dust.

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### **7. HANDLING AND STORAGE**

#### **HANDLING**

Maintain good general ventilation.

Avoid contact with skin and eyes. Avoid acids. Wash promptly with soap and water if skin becomes contaminated. Always follow good personal hygiene when working with this product. Do not breathe dust.

#### **STORAGE**

Store in a cool well-ventilated place in the original closed containers. The product will melt at 32/33° C. In open containers, the product may lose water of crystallisation. Avoid contact with aluminium, zinc, tin and their alloys.

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### **8. EXPOSURE CONTROLS /PERSONAL PROTECTION**

#### **PERSONAL PROTECTION**

Exposure limits	10mg/m <sup>3</sup> total dust; 5mg/m <sup>3</sup> respirable dust.
Ventilation	Provide adequate general ventilation.
Respiratory protection	Use approved RPE for dusts, or suitable LEV.
Eye protection	Goggles.
Hand protection	Gloves unless skin contact can be avoided.
Skin	Overalls and boots where appropriate.

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### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Fine white crystals
Odour	None
Bulk Density	0.8g/ml approx.
Solubility	Soluble in water (26% w/w wrt anhydrous salt). Insoluble residue (up to 1%) will dissolve in dilute acids.
pH value	11.7 (10% solution wrt crystals).
Ignition temperature	Does not burn
Melting point	32/33° C (forms solution)

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**10. STABILITY AND REACTIVITY**

Decomposition products	Loses water of crystallisation on prolonged standing in air and when heated to 32° C.
Hazardous reactions	Liberates carbon dioxide when mixed with acid. Solutions may react with new surfaces of aluminium and zinc and their alloys to produce hydrogen.

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**11. TOXICOLOGICAL INFORMATION**

Inhalation	High concentrations of dust will irritate the respiratory system.
Skin contact	May cause skin irritation resulting from removal of natural greases.
Eye contact	Irritating to the eyes. May cause corneal damage. Permanent damage is unlikely.
Ingestion	Ingestion of large doses may result in a burning sensation in the mouth and throat and corrosion of the gastrointestinal tract with nausea and vomiting.

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**12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL EFFECTS: Based on bulk product.  
High concentrations in receiving waters can cause long term adverse effects on the aquatic environment by raising pH. Low toxicity to fish.

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**13. DISPOSAL CONSIDERATIONS**

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

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**14. TRANSPORT INFORMATION**

Not regulated for transport.

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**15. REGULATORY INFORMATION**

Health, safety and environmental details to be shown on the label. Ref. CHIP 3

Irritant symbol

Irritant

Risk Phrase R36 Irritating to eyes

Safety Phrases S2 Keep out of the reach of children.  
S22 Do not breathe dust  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed, seek medical advice immediately and show this container or label.

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**16. OTHER INFORMATION**

List of relevant R-phrases and symbols.

Risk Phrase R36 Irritating to eyes

Symbol Xi Irritant

Revised information to Revision 2 indicated with right border.

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.

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