
1. IDENTIFICATION OF THE PRODUCT AND COMPANY**IDENTIFICATION/PRODUCT NAME** AUTOMATIC DISHWASHER POWDER F1**PRODUCT DESCRIPTION**

A preparation for use in automatic dishwashers

COMPANY DETAILS

Dri-Pak Limited, Furnace Road,
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Telephone 0115 932 5165 Fax 0115 9 440297
Emergency telephone 0115 928 3793

2. COMPOSITION/INFORMATION ON INGREDIENTS

A preparation containing amongst other ingredients:

	Concentration	Symbol	Risk Phrase
Sodium silicate (m.r. 2.0)	between 5 and 15%	Xi	R37/38, R41
Sodium carbonate	between 5 and 15%	Xi	R36
Sodium dichloroisocyanurate	less than 5%	Xn, N	R22, R31, R36/37 R50/53
Alcohol ethoxylate propoxylate	less than 5%	N	R50

	CAS Number	EINECS Number
Sodium silicate (m.r. 2.0)	1344-09-8	215-687-4
Sodium carbonate	000497-19-8	207-838-8
Sodium dichloroisocyanurate	51580-86-0	
Alcohol ethoxylate propoxylate		

3. HAZARDS IDENTIFICATION

Xi; R41: Risk of serious damage to the eyes
Dangerous for the environment R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Ref. CHIP3

An alkaline preparation which may cause burns to the skin and eyes and, internally, when ingested.
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 any symptoms develop.
Skin contact	Speed is essential. 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	Speed is essential. The eye should be thoroughly irrigated for not less than 20 minutes with clean water. This prolonged irrigation is of extreme importance and must be done at once to prevent permanent damage. Medical attention must be obtained, continue irrigation until medical help arrives.
Ingestion	Only when conscious, wash mouth out with water and give plenty of water or milk to drink. Do not induce vomiting. Obtain immediate medical attention.
Further Medical Treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

No specific fire fighting procedure given. Chlorine is evolved above 200° C. Use self contained breathing apparatus and protective clothing for personal protection.

6. ACCIDENTAL RELEASE MEASURES

In the event of accidental release wear suitable gloves, respiratory and eye/face protection. 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. Do not run off or release to sewer, waterway or ground.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with skin and eyes. Avoid acids, moisture and combustible materials. 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 covered containers in a cool well ventilated place. Avoid contact with aluminium, zinc, tin and their alloys. Contact with wood will cause discoloration.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

PERSONAL PROTECTION

Ventilation	Provide adequate general and local exhaust ventilation.
Respiratory protection	Do not breathe dust.
Eye protection	Goggles or safety spectacles.
Hand protection	Gloves unless skin contact can be avoided.
Industrial Hygiene	Normal standards of industrial hygiene should be observed.
Disposal	Keep any unused product firmly contained in its original package.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A mixture of white powders
Colour	White
Odour	Faint (surfactant)
Bulk Density	Not determined
Solubility	Soluble in water
pH value	11 (1% solution)
Flash point	Not relevant
Ignition temperature	Does not burn
Explosion limits	Not relevant

10. STABILITY AND REACTIVITY

Thermal decomposition	Normally stable. Avoid heat, sparks, contact with acids and contact with combustibles.
Hazardous decomposition products	Chlorine will be liberated at temperatures in excess of 200° C.
Hazardous reactions	Liberates chlorine if mixed with sufficient acid. Will react with new surfaces of aluminium and zinc and their alloys to produce hydrogen.

11. TOXICOLOGICAL INFORMATION

Inhalation	There will be a feeling of tightness to the chest with shortness of breath, a cough and a sore throat.
Skin contact	Dryness, irritation and reddening will occur, particularly with prolonged contact. Hot solutions will cause a chemical burn.
Eye contact	A severe irritant. Splashes in the eye will cause chemical burns and permanent corneal damage may result.
Ingestion	Will result in a burning sensation in the mouth and throat, inability to swallow, and irritation of the gastro intestinal tract with nausea and vomiting.
Chronic health hazards	Repeated exposure may cause chronic eye irritation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: Based on bulk product.
Harmful to aquatic organisms. High concentrations in receiving waters can cause long term adverse effects on the aquatic environment by raising pH and by chlorination. High pH value and sodium and chlorine content have a potential to damage soil structure. Phosphate content can act as a plant nutrient and precipitate heavy metals.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Automatic Dishwasher Powder F1 is not transported in bulk form.
