

# CHILL SHIELD

## gel disinfectant for chiller units



### Description

Chill Shield is a blend of detergents and biocide designed to tackle the problem of soiling and infection in chiller units. The product on contact with moisture forms a tenacious film which dissolves in the condensate slowly releasing the detergent and biocide. Chill Shield has been formulated to pose no corrosion risk to the mixed metals of a chiller unit.

### Typical Areas of Use

Chill Shield is applied by spraying the product, without dilution, directly into the chiller unit. Treatment should be repeated every 3 to 4 weeks; with a full strip clean of the chiller every 6 months.

#### Every 3 Weeks

1. Remove or cover all product in the chiller.
2. Turn unit onto defrost, or isolate supply and leave to defrost. Isolate supply.
3. Lightly spray Chill Shield over fins and all accessible internal surfaces.
4. Wipe exterior of unit with 2% Holquat solution.
5. Turn unit on.

#### 6 Monthly

1. Remove or cover all product in the chiller.
2. Turn unit onto defrost, or isolate supply and leave to defrost. Isolate supply.
3. Remove fan grill and wash in 2% Holquat solution.
4. Wipe over fan motor and blades using a damp cloth soaked in 2% Holquat solution.
5. Cover fan motor with a plastic bag.
6. Disconnect and breakdown condensate pipework if feasible, soak in 2% Holquat solution.
7. Remove condensate drip tray and hand clean.
8. Manual, or foam clean the chiller unit, internal and external surfaces, using 2% Holquat.
9. Rinse all surfaces.
10. Brush and then rinse condensate pipework.
11. Reassemble unit in reverse order.
12. Lightly spray Chill Shield over fins and drip tray.
13. Turn unit on.

### Features

Slow dissolving gel

Detergent / Disinfectant

Applied by sprayer

### Benefits

Maintains chiller hygiene for 3 week period

Cleans and disinfects

Easy, low cost treatment, reducing need for expensive and time consuming strip down.

Chill Shield V2 1-May-01



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### Composition

Chill Shield is a blend of ethanol, polymeric biguanide and wetting agent.

### Properties

Appearance	Colourless, viscous liquid.
Odour	Sweet alcohol.
Specific Gravity	0.98
pH (1% solution)	6.0
Flash Point	27°C
Shelf Life	Minimum of 2 years under normal conditions.
Test Methods	The strength of a working solution can be determined by either titration or by conductivity measurement.

### Hazards

#### Highly Flammable

#### Irritant – irritating to skin and eyes

Caution: contact with certain plastic materials can cause stress corrosion cracking.

### Personal Protective Equipment

Neat product - eye protection, gloves and protective clothing must be worn

### General

For accident, emergency and health & safety information refer to the Safety Data Sheet for this product. This product is registered with the National Poisons Information Service.

#### Emergency Telephone Numbers

Holchem (Outside Office Hours)	07050 265597
Environment Agency (24 hr Advisory Service)	0800 807060
National Poisons Information Service	0870 2432241 (For use by Medical Profession only)

COSHH 1998 places a duty on employees to assess and control the risks of using hazardous substances. A COSHH assessment must be carried out.

Whilst every effort is made to ensure that the information given in this product information sheet is accurate it is given without guarantee, since the conditions of use are beyond our control.

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