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		Date : 3 / 7 / 2012
		Supersedes : 5 / 6 / 2006
<b>ODEON 720 SC</b>		<b>R-10862</b>

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**Trade name** : ODEON 720 SC  
**Type of product** : Fungicide  
**Relevant identified uses** : Industrial.  
**Company identification** : ADAMA SOUTH AFRICA (PTY) LTD  
21 Viben Street  
Brackenfell 7560  
**Phone nr** : +27 82 331 6463  
+27 21 982 1460

### SECTION 2. Hazards identification

**Human health hazards** : Toxic by inhalation.  
Irritating to eyes.  
Limited evidence of a carcinogenic effect.  
**Environmental hazard** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SECTION 3. Composition/information on ingredients

**Components** : This product is considered to be hazardous and contains hazardous components.

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Chlorothalonil	720 g/l	1897-45-6	217-588-1	608-014-00-4	----	Carc. Cat. 3; R40 T+; R26 Xi; R37-41 R43 N; R50-53 (M fact. = 10)

### SECTION 4. First aid measures

**First aid measures**  
**Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. Obtain medical attention.  
**Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse.  
**Eye contact** : Rinse immediately with plenty of water. Maintain eyelids open.  
Contact ophthalmologist immediately.  
**Ingestion** : Do not induce vomiting.  
Never give anything by mouth to an unconscious person.  
Seek medical advice.

### SECTION 5. Fire-fighting measures

**Suitable extinguishing media** : Dry chemical, alcohol-resistant foam, water spray, carbon dioxide  
**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6. Accidental release measures

**For emergency responders** : Equip cleanup crew with proper protection.  
**Environmental precautions** : Prevent entry to sewers and public waters.  
**Clean up methods** : Sweep or shovel spills into appropriate container for disposal.

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## SECTION 7. Handling and storage

- Handling** : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Storage** : Keep in a cool, well-ventilated place . Keep away from combustible material. Keep container closed when not in use.
- Special precautions** : Avoid all unnecessary exposure.

## SECTION 8. Exposure controls/personal protection

- : Provide local exhaust or general room ventilation.  
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protection**
- **Respiratory protection** : Suitable respiratory equipment.
  - **Hand protection** : Wear suitable gloves resistant to chemical penetration.
  - **Skin protection** : Skin protection appropriate to the conditions of use should be provided.
  - **Eye protection** : Chemical goggles or face shield.

## SECTION 9. Physical and chemical properties

- Physical state at 20 °C** : Liquid
- Colour** : Slightly yellow.
- Odour** : Slight characteristic
- Flammability** : Not flammable
- Density [g/cm<sup>3</sup>]** : 1.28 - 1.32 g/cm<sup>3</sup>
- Log P octanol / water at 20°C** : 2.92 (Chlorothalonil)

## SECTION 10. Stability and reactivity

- Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes
- Hazardous properties** : None under normal conditions.

## SECTION 11. Toxicological information

- Rat oral LD50 [mg/kg] : >3000
  - LD50 Rabbit dermal [mg/kg] : >4000
  - Rat inhalation LC50 [mg/l/4h] : 0.7
- Dermal irritation (rabbit)** : Not irritating
- Eyes irritation (rabbit)** : Moderately irritating
- Sensitization** : Non sensitizer

## SECTION 12. Ecological information

- LC50 96 Hour - fish [mg/l]** : 0.0704 ( Poecilia reticulata )
- 48 H-EC50 - Daphnia magna [mg/l]** : 0.07 (100% Active ingredient )
- 120 H - EC50 Algae [mg/l]** : 0.21 (100% Active ingredient )
- LD50 - Japanese quail [mg/l]** : > 2000
- Bees LD50 [µg]** : > 100

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### SECTION 13. Disposal considerations

**General** : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14. Transport information

**UN N°** : 2996  
**Proper shipping name** : ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (72% Chlorothalonil)  
**- IMO-IMDG - class or division** : 6.1  
**- Packing group** : III  
**- IMDG-Marine pollution** : Yes

### SECTION 15. Regulatory information

**EU Classification** : This product is provisionally labelled by the supplier in accordance to the EU regulations:  
**Symbol(s)**



: T: T : Toxic  
N: N : Dangerous for the environment.

**R Phrase(s)** : R23 - Toxic by inhalation.  
R36 - Irritating to eyes.  
R40 - Limited evidence of a carcinogenic effect.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S Phrase(s)** : S36/37 - Wear suitable protective clothing and gloves.  
S38 - In case of insufficient ventilation, wear suitable respiratory equipment.  
S57 - Use appropriate container to avoid environmental contamination.  
S59 - Refer to manufacturer/supplier for information on recovery/recycling.  
S60 - This material and its container must be disposed of as hazardous waste.  
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

### SECTION 16. Other information

*List of relevant R phrases (heading 3)* : R26 - Very toxic by inhalation.  
R37 - Irritating to respiratory system.  
R40 - Limited evidence of a carcinogenic effect.  
R41 - Risk of serious damage to eyes.  
R43 - May cause sensitization by skin contact.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information** : None.

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