



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

## Odeon 720 SC

Revision date 02-07-2021

Version 1 supersedes : 02-07-2021

Product Code(s) FNG56967-27

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## 1. Identification

### Product identifier

## Odeon 720 SC

### Other means of identification

Synonyms Chlorothalonil 720 SC  
Formula SC

### Recommended use of the chemical and restrictions on use

Recommended use Fungicide  
Uses advised against No information available

### Detailed information about the manufacturer, supplier, and/or importer

Supplier ADAMA SOUTH AFRICA (PTY) LTD  
Ground Floor, Simeka House  
The Vineyards Office Estate  
99 Jip de Jager Drive  
Bellville 7530

### Emergency telephone number

Emergency Telephone + 27 82 446 8946  
+ 27 86 155 5777  
+ 27 21 982 1460  
E-mail address SDS@ADAMA.COM

## 2. Hazard(s) identification

### Classification of the substance or mixture

Acute toxicity - Inhalation (Dusts/Mists)	Category 3 - (H331)
Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### Label elements

Signal word

Danger

**Hazard statements**

H319 - Causes serious eye irritation  
 H331 - Toxic if inhaled  
 H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer  
 H410 - Very toxic to aquatic life with long lasting effects

**Precautionary statements**

P102 - Keep out of reach of children  
 P201 - Obtain special instructions before use  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**3. Composition/information on ingredients****Substance**

Not applicable

**Mixture****Synonyms**

Chlorothalonil 720 SC

Chemical name	CAS No	Weight-%	EC No	INTERNATIONAL GHS CLASSIFICATION	M-Factor
Chlorothalonil	1897-45-6	52-59	217-588-1	Acute Tox. 2 (H330) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Carc. 2 (H351)	M=10 M=10
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	< 2		Acute Tox. 3 (H331)Skin Irrit. 3 (H316)	

**4. First-aid measures****Description of necessary first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. Artificial respiration and/or oxygen may be necessary. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

#### For emergency responders

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

#### Most important symptoms/effects, acute and delayed

**Symptoms** None known.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Note to physicians** Treat symptomatically.

## **5. Fire-fighting measures**

#### Suitable Extinguishing Media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

#### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** No information available.

**Explosive properties** No data available.

#### Specific/special fire-fighting measures

**Specific/special fire-fighting measures** No information available.

#### Special protective equipment and precautions for fire-fighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **6. Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate

personnel to safe areas. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Keep people away from and upwind of spill/leak. Avoid generation of dust. Do not breathe dust.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information** Refer to protective measures listed in Sections 7 and 8.

## **7. Handling and storage**

### Preventive measures for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Take off contaminated clothing and wash before reuse.

### Precautions for safe handling

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## **8. Exposure controls/personal protection**

### Control parameters

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

<b>Hand protection</b>	Wear suitable gloves.
<b>Eye/face protection</b>	If splashes are likely to occur, wear safety glasses with side-shields.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Take off contaminated clothing and wash before reuse.
<b>Environmental exposure controls</b>	Local authorities should be advised if significant spillages cannot be contained.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
Physical state	: Liquid thick		
Color	: white		
Odor	: characteristic		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 5.2 - 6.2	CIPAC MT 75.3	
<b>Melting point / freezing point °C</b>	: ----		Not applicable
<b>Boiling point / boiling range °C</b>	: ----		No data available
<b>Flash point °C</b>	: > 100	CIPAC MT 12	
<b>Evaporation rate</b>	: No data available		
<b>Flammability (solid, gas)</b>	: Not applicable		
<b>Upper/lower flammability or explosive limits</b>	: No data available		
<b>Vapor pressure kPa</b>	: ----		Not applicable
<b>Vapor density</b>	: No data available		
<b>Relative density</b>	: 1.25 - 1.35	CIPAC MT 3	
<b>Solubility(ies) mg/l</b>	: ----		Not applicable
<b>Partition coefficient Log Pow</b>	:		See Section 12 for additional Ecological Information
<b>Autoignition temperature °C</b>	: ----		Not applicable
<b>Decomposition temperature °C</b>	: No data available		
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	: ----		No data available
<b>Explosive properties</b>	: No data available		
<b>Oxidizing properties</b>	: No data available		
<b>Surface tension</b>	: No data available		
<b>Particle Size</b>	: Not applicable		
<b><u>Other information</u></b>			
<b>Bulk density g/ml</b>	: Not applicable		

## 10. Stability and reactivity

### Reactivity

**Reactivity** No information available.

Chemical stability

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

Conditions to avoid

**Conditions to avoid** Excessive heat.

Incompatible materials

**Incompatible materials** None known based on information supplied.

Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

**11. Toxicological information**Information on toxicological effectsAcute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
<b>Oral LD50 mg/kg</b>	: > 3000	Rat	OECD 423	
<b>Dermal LD50 mg/kg</b>	: > 4000	Rat	OECD 402	
<b>Inhalation LC50 LC50</b>	: 0.7	Rat	OECD 403	
<b>Skin corrosion/irritation</b>	: Non-irritating to the skin	Rabbit	OECD 404	
<b>Serious eye damage/eye irritation</b>	: Irritating to eyes	Rabbit	OECD 405	
<b>Sensitization</b>	: Not a skin sensitizer	Guinea pig	OECD 406	

Chronic toxicity**Germ cell mutagenicity****Chemical name**

Chlorothalonil : Not classified

**Carcinogenicity****Chemical name**

Chlorothalonil : Suspected of causing cancer

**Reproductive toxicity****Chemical name**

Chlorothalonil : Not toxic for the reproductive system

**STOT - Single Exposure****Chemical name**

Chlorothalonil : No data available

**STOT - Repeated Exposure****Chemical name**

Chlorothalonil : No data available

**Aspiration hazard****Chemical name**

Chlorothalonil : No data available

**12. Ecological information****Ecotoxicity****Aquatic toxicity****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: 0.0704	Poecilia reticulata	OECD 203	
Crustacea 48-hour EC50 mg/l	: 0.28	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	: 0.56	Chlorella vulgaris	OECD 201	
Other plants EC50 mg/l	: ----			No data available

**Chronic aquatic toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

**Terrestrial Toxicity**

Birds Oral LD50 mg/kg

Bees Oral LD50 µg/bee

**Abiotic Degradation**

Water DT50 days

Soil DT50 days

**Biodegradation**

Log Pow

Bioconcentration factor (BCF)

Adsorption/Desorption

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Log Pow			
Bioconcentration factor (BCF)			
Adsorption/Desorption			

**13. Disposal considerations****Disposal methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging**

Improper disposal or reuse of this container may be dangerous and illegal.

**14. Transport information****ADR**

14.1 UN number

UN2996

14.2 UN proper shipping name

ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), Environmentally Hazardous

14.3 Transport hazard class(es)

6.1

<b>Labels</b>	6.1
<b>14.4 Packing group</b>	III
<b>Description</b>	UN2996, ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), 6.1, III, (E), Environmentally Hazardous
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	61, 274, 648
<b>Classification code</b>	T6
<b>Tunnel restriction code</b>	(E)

**RID**

<b>14.1 UN number</b>	UN2996
<b>14.2 UN proper shipping name</b>	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), Environmentally Hazardous
<b>14.3 Transport hazard class(es)</b>	6.1
<b>Labels</b>	6.1
<b>14.4 Packing group</b>	III
<b>Description</b>	UN2996, ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), 6.1, III, Environmentally Hazardous
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	61, 274, 648
<b>Classification code</b>	T6

**IMDG**

<b>14.1 UN/ID No *</b>	UN2996
<b>14.2 UN proper shipping name</b>	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), Marine pollutant
<b>14.3 Hazard Class</b>	6.1
<b>14.4 Packing group</b>	III
<b>Description</b>	UN2996, ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), 6.1, III, Marine pollutant
<b>14.5 Marine pollutant</b>	P
<b>Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	61, 223, 274
<b>EmS-No</b>	F-A, S-A
<b>IMDG Stowage and segregation</b>	Category A SW2
<b>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN number</b>	UN2996
<b>14.2 UN proper shipping name</b>	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil)
<b>14.3 Transport hazard class(es)</b>	6.1
<b>14.4 Packing group</b>	III
<b>Description</b>	UN2996, ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC (Chlorothalonil), 6.1, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	A3, A4
<b>ERG Code</b>	6L



\* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less



for solids

## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

## 16. Other information

### Full text of H-Statements referred to under section 3

H316 - Causes mild skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H330 - Fatal if inhaled  
 H331 - Toxic if inhaled  
 H335 - May cause respiratory irritation  
 H351 - Suspected of causing cancer  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects

**Date of preparation of the SDS** No data available

**Revision date** 02-07-2021

**Revision Note** Changes made to the last version are labeled with this sign \*\*\*.

### Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

### List of Acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 CAS Number - Chemical Abstracts Service number  
 EC Number - EINECS and ELINCS Number  
 EINECS - European Inventory of Existing Commercial Substances  
 ELINCS - European List of notified Chemical Substances  
 IATA - International Air Transport Association  
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
 IMDG - International Maritime Dangerous Goods  
 LC50 - Lethal Concentration to 50 % of a test population  
 LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
 OECD - Organization for Economic Co-operation and Development  
 PBT - Persistent, Bioaccumulative and Toxic substance  
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
 STOT - Specific Target Organ Toxicity  
 vPvB - Very Persistent and Very Bioaccumulative

### The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

#### Classification of the mixture

H319 - Causes serious eye irritation  
 H331 - Toxic if inhaled  
 H335 - May cause respiratory irritation

#### Classification procedure

Classification based on test data  
 Classification based on test data  
 Classification based on Calculation method

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H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

Classification based on Calculation method  
Classification based on test data  
Classification based on Calculation method

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**