



# Clairoy

MAINTENANCE CHEMICALS

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### C3 POOL & SPA CLEANER

Revision 5

Revision date 2013-01-09

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

##### 1.1. Product identifier

Product name C3 POOL & SPA CLEANER

##### 1.3. Details of the supplier of the safety data sheet

Company Clairoy Maintenance Chemicals  
Address 29 Dyson Close,  
Rugby,  
Warwickshire  
CV21 4LG  
Web www.clairoy.co.uk  
Telephone 01788 561722  
Fax 01788 537550  
Email sales@clairoy.co.uk

##### 1.4. Emergency telephone number

Emergency telephone number 01788 561722  
Company CLAIROY MAINTENANCE CHEMICALS  
NORMAL OFFICE HOURS

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC Xi; R36/38  
Symbols: Xi: Irritant.  
Main hazards Irritating to eyes and skin.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2		20 - 30%	C; R34
WATER					60 - 70%	
ALCOHOL ETHOXYLATE		68439-45-2			1 - 10%	Xn; R22 Xi; R41
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0		1 - 10%	
EP 11160 (METHANOL) (Methanol)	603-001-00-X	67-56-1	200-659-6		1 - 10%	F; R11 T; R23/24/25-39/23/24/25
PERFUME					0 - 0.5%	
Dipentene	601-029-00-7	138-86-3	205-341-0		0 - 0.5%	R10 Xi; R38 R43 N; R50/53
HEXYL CINNAMAL		101-86-0			0 - 0.5%	
DYE					0 - 0.5%	

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## 3.2. Mixtures

**SECTION 4: First aid measures**

## 4.1. Description of first aid measures

Inhalation	May cause irritation to respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes severe inflammation and may damage the cornea. Seek medical attention.
Skin contact	May cause severe irritation to eyes and skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label.

**SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO2).
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## 5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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**SECTION 6: Accidental release measures**

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

	Evacuate personnel to a safe area. Wear suitable protective equipment.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

2 BUTOXY ETHANOL (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: -
EP 11160 (METHANOL) (Methanol)	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m3: 266
	WEL 15 min limit ppm: 250	WEL 15 min limit mg/m3: 333
Phosphoric acid...% (Orthophosphoric acid)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

## 8.2. Exposure controls

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## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Not normally required.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required. Wear suitable respiratory equipment when necessary.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Clear
Odour	Characteristic
pH	1.5
Boiling point	100
Relative density	1.11 NOMINAL

## Water solubility

	Soluble in water.
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## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions. REACTS WITH HYPOCHLORITES(BLEACH) TO GIVE OFF TOXIC FUMES OF CHLORINE.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to eyes and skin. Seek medical attention if irritation or symptoms persist.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts.
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## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information


## Labelling

Symbols	The product is classified in accordance with 67/548/EEC. Xi: Irritant.
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Labelling	
Symbols	
Risk phrases	R36/38 - Irritating to eyes and skin.
Safety phrases	S1/2 - Keep locked up and out of the reach of children. S14 - Keep away from BLEACH. S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**SECTION 16: Other information**

## Other information

Text of risk phrases in Section 3	R10 - Flammable R11 - Highly flammable. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R22 - Harmful if swallowed. R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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## Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.
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