



Clairoy

MAINTENANCE CHEMICALS

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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C309 TOILET DESCALER

Revision 4

Revision date 2013-04-24

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

1.1. Product identifier

Product name C309 TOILET DESCALER

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

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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
HYDROXYETHYL CELLULOSE		9004-62-0				
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2			C; R34
WATER						
SODIUM ACETATE		127-09-3				
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7			F; R11 Xi; R36 R67
CELLULOSE (Cellulose (pure) total inhalable dust)		9004-34-6				
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	612-140-00-5	63449-41-2	264-151-6			Xn; R21/22 C; R34 N; R50
ALCOHOL ETHOXYLATE		68439-45-2				Xn; R22 Xi; R41
Glyoxal...%	605-016-00-7	107-22-2	203-474-9			Muta. Cat. 3; R68 Xn; R20 Xi; R36/38 R43
PERFUME						
DYE						

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No irritation expected. May cause irritation to respiratory system.
Eye contact	Causes severe inflammation and may damage the cornea.
Skin contact	Irritating to skin. Wash with water. 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

	Wear suitable protective equipment. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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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

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7.1. Precautions for safe handling

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

CELLULOSE (Cellulose (pure) respirable)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 4
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
CELLULOSE (Cellulose (pure) total inhalable dust)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 20
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250
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

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Viscous liquid.
Colour	Clear
Odour	Pleasant
pH	1.5
Boiling point	100
Relative density	1.06 NOMINAL

Water solubility

Soluble in water.

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions. REACTS WITH HYPOCHLORITES(BLEACH) TO GIVE OFF TOXIC FUMES OF CHLORINE.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to eyes and skin.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

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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.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information**Further information**

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**Labelling****Symbols**

The product is classified in accordance with 67/548/EEC.
Xi: Irritant.

**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****Revision**

This document differs from the previous version in the following areas:.
4 - Skin contact.
4 - Eye contact.
6 - 6.1. Personal precautions, protective equipment and emergency procedures.

Text of risk phrases in Section 3

R11 - Highly flammable.
R20 - Harmful by inhalation.
R21/22 - Harmful in contact with skin and if swallowed.
R22 - Harmful if swallowed.
R34 - Causes burns.
R36/38 - Irritating to eyes and skin.
R36 - Irritating to eyes.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R67 - Vapours may cause drowsiness and dizziness.
R68 - Possible risk of irreversible effects.

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

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Further information

	combination with any other materials or in any other process.
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