



# Clairoy

MAINTENANCE CHEMICALS

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### C7 28% DESCALER

Revision 4

Revision date 2015-06-17

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

##### 1.1. Product identifier

Product name	C7 28% DESCALER
REACH	ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES.

##### 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	C; R34 Xi; R37 Symbols: C: Corrosive.
Main hazards	Causes burns. Irritating to respiratory system.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314; STOT SE 3: H335;

##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ oR /if you feel unwell. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep 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. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITIES

## 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	M-factor.
DIPROPYLENE GLYCOL		25265-71-8	246-770-3		0 - 0.5%		
Hydrochloric acid...%	017-002-01-X		231-595-7		20 - 30%	C; R34 Xi; R37	
DIBUTYL THIOUREA		109-46-6			0 - 0.5%	Xn; R22 R52/53	

EC 1272/2008

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Hydrochloric acid...%	017-002-01-X		231-595-7		20 - 30%	Skin Corr. 1B; H314; STOT SE 3; H335;	
DIBUTYL THIOUREA		109-46-6			0 - 0.5%		

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
<b>Skin contact</b>	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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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

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

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

	Ensure adequate ventilation of the working area. 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. Ensure adequate ventilation of the working area.
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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

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
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	Wear suitable protective equipment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Relative density	1.14
pH	1

## 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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## 10.3. Possibility of hazardous reactions

	Strong oxidising agents. Strong bases.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Irritating to eyes, respiratory system and skin.
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## SECTION 12: Ecological information

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## 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

## Hazard pictograms



## 14.1. UN number

UN1789

## 14.2. UN proper shipping name

HYDROCHLORIC ACID

## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group II

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code F-A S-B

## IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

## SECTION 15: Regulatory information

## 15.2. Chemical safety assessment

No chemical Safety assessment has been carried out by the supplier.

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**SECTION 16: Other information****Other information**

<b>Revision</b>	This document differs from the previous version in the following areas:. 1 - REACH. 2 - Hazard pictograms. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response.
<b>Text of risk phrases in Section 3</b>	R22 - Harmful if swallowed. R34 - Causes burns. R37 - Irritating to respiratory system. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.

**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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