



...advanced chemical
solutions for industry...

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/6

C309 TOILET DESCALER

Revision 12
Revision date 2017-09-19

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

1.1. Product identifier

Product name	C309 TOILET DESCALER
REACH	ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	toilet cleaner.
-------------	-----------------

1.3. Details of the supplier of the safety data sheet

Company	Assured Solutions Ltd
Address	Unit H Westminster Industrial Estate Measham Derbyshire DE12 7DS
Web	www.assuredsolutionsltd.co.uk
Telephone	+44 (0)1530 272922
Fax	+44 (0)1530 272921
Email	sales@assuredsolutionsltd.co.uk
Email address of the competent person	sales@assuredsolutionsltd.co.uk

1.4. Emergency telephone number


Emergency telephone number	01530 272 922
Company	ASSURED SOLUTIONS LTD 24hrs

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.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 3: H412;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation.

C309 TOILET DESCALER

Revision 12

Revision date 2017-09-19

2.2. Label elements

Precautionary Statement: Prevention	Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
	P102 - Keep out of reach of children. P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ or /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITY

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.
HYDROXYETHYL CELLULOSE		9004-62-0			1 - 10%		
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	01-2119485924-24	10 - 20%	C; R34	
WATER					70 - 80%		
SODIUM ACETATE		127-09-3			0 - 0.5%		
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		0 - 0.5%	F; R11 Xi; R36 R67	
CELLULOSE		9004-34-6			0 - 0.5%		
Benzyl C12-18 Alkyldimethyl, Chlorides		68424-85-1	270-325-2	01-2119970550-39	0.5 - 1%	C; R34 Xn; R21/22 N; R50	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Xn; R22 Xi; R41	
Glyoxal...%	605-016-00-7	107-22-2	203-474-9		0 - 0.5%	Muta. Cat. 3; R68 Xn; R20 Xi; R36/38 R43	
PERFUME					0 - 0.5%		
DYE					0 - 0.5%		

C309 TOILET DESCALER

Revision 12
Revision date 2017-09-19

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
HYDROXYETHYL CELLULOSE		9004-62-0			1 - 10%		
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	01-2119485924-24	10 - 20%	Skin Corr. 1B: H314;	
WATER					70 - 80%		
SODIUM ACETATE		127-09-3			0 - 0.5%		
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		0 - 0.5%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
CELLULOSE		9004-34-6			0 - 0.5%		
Benzyl C12-18 Alkyldimethyl, Chlorides		68424-85-1	270-325-2	01-2119970550-39	0.5 - 1%	Acute Tox. 4: H302+H312; Skin Corr. 1A: H314; Aquatic Acute 1: H400;	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
Glyoxal...%	605-016-00-7	107-22-2	203-474-9		0 - 0.5%	Muta. 2: H341; Acute Tox. 4: H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317;	
PERFUME					0 - 0.5%		
DYE					0 - 0.5%		

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).
--	---

5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
--	--

5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
--	---

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.
--	---

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

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.
--	---

SECTION 7: Handling and storage

C309 TOILET DESCALER

Revision 12
Revision date 2017-09-19

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	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total 10 inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total 20 inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
CELLULOSE (Cellulose (pure) respirable)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 4 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Phosphoric acid...% (Orthophosphoric acid)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1 WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

No data available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Not normally required.
8.2.2. Individual protection measures	Wear suitable 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

C309 TOILET DESCALER

Revision 12

Revision date 2017-09-19

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Clear
Odour	Pleasant
pH	1 - 3
Initial boiling point	100
Relative density	1.06 - 1.08

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.

11.1.4. Toxicological Information

Benzyl C12-18 Alkyldimethyl, Chlorides	Oral Rat LD50: 200-2000mg/kg
--	------------------------------

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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and
-------------	--

C309 TOILET DESCALER

Revision 12

Revision date 2017-09-19

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

2000/21/EC.

15.2. Chemical safety assessment

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

SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas: 2 - Precautionary Statement: Response. 9 - 9.1. Information on basic physical and chemical properties (Relative density).
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.
Text of Hazard Statements in Section 3	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. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. Muta. 2: H341 - Suspected of causing genetic defects .

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.