



Companion in Hygiene Solutions

SAFETY DATA SHEET
according to Regulation (EU) 2015/830

SA81 Toilet Cleaner Concentrate

Revision: 1
Revision date: 01/07/2020

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

1.1 Product identifier

Product name	SA81 Toilet Cleaner Concentrate
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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1.3 Details of the supplier of the safety data sheet

Company Address	Ionic Products Ltd Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim BT27 5QB United Kingdom
Web	www.ionicproductsltd.com
Telephone	028 9267 3331
Email:	Info@ionicproductsltd.com

1.4 Emergency telephone number

Emergency telephone number	028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept. Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9 Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.2 Classification - EC 1272/2008	Skin Corr. 1B: H314;
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2.2 Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P363 - Wash contaminated clothing before reuse.
Precautionary Statement Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Further information

	Contains: phosphoric acid.
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SECTION 3: Composition/information on ingredients**3.2 Mixtures****EC 1272/2008**

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Orthophosphoric acid	015-011-00-6	7664-38-2	231-633-2	01-2119485924-00	10-20%	Skin Corr. 1B: H314;
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)		8030-78-2	232-447-4		1-10%	Flam. Liq. 2: H225; Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H336; Aquatic Acute 1: H400;
Sodium xylenesulphonate		1300-72-7	215-090-9	01-2119513350-56	1-10%	Eye Irrit. 2: H319;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1-10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;

SECTION 4: First aid measures**4.1 Description of first aid measures**

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Wash with water. Seek medical attention.
Skin contact	Causes burns. 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. If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Irritant, Severe respiratory.
Eye contact	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	Causes severe burns.

4.3 Indication of any immediate medical attention and special treatment needed

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

	Use as appropriate: Carbon dioxide (CO ₂), 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**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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6.4 Reference to other sections

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
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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. Adopt best manual handling considerations when handling, carrying and dispensing.
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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. For incompatibilities refer to section 10.4.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure Limit Values - UK

Orthophosphoric acid	WEL 8-hr limit mg/m3: 1 WEL 15 min limit mg/m3: 2
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

8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

Orthophosphoric acid	Occupational Exposure Limit Value (8-hour reference period)	1 mg/m3
	Occupational Exposure Limit Value (15-minute reference period)	2 mg/m3
Isopropanol (Propan-2-ol)	Occupational Exposure Limit Value (8-hour reference period)	200 ppm
	Occupational Exposure Limit Value (15-minute reference period)	400 ppm

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Orthophosphoric acid	Long-term - inhalation - Local effects	2.92 mg/m ³
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - inhalation - Systemic Long-term - dermal - Systemic	3.32 mg/m ³ 4.7 mg/kg
Sodium xylenesulphonate	Long-term - inhalation - Systemic effects Long-term - dermal - Systemic effects	53.6 mg/m ³ 7.6 mg/kg
Isopropanol (Propan-2-ol)	Long-term - inhalation - Systemic effects Long-term - dermal - Systemic effects	500 mg/m ³ 888 mg/kg

Exposure Pattern - General population

Orthophosphoric acid	Long-term - inhalation - Local effects	0.73 mg/m ³
	Long-term - inhalation - Systemic	0.98 mg/m ³

Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Long-term - dermal - Systemic	2.83 mg/kg
	Long-term - oral - Systemic effects	2.83 mg/kg
Sodium xylenesulphonate	Long-term - inhalation - Systemic effects	13.2 mg/m ³
	Long-term - dermal - Systemic effects	3.8 mg/kg
	Long-term - oral - Systemic effects	3.8 mg/kg
Isopropanol (Propan-2-ol)	Long-term - inhalation - Systemic effects	80 mg/m ³
	Long-term - dermal - Systemic effects	319 mg/kg
	Long-term - oral - Systemic effects	26 mg/kg

8.2 Exposure controls

8.2.1 Appropriate engineering controls 8.2.2 Individual protection measures Eye / face protection Skin protection - Hand protection Respiratory protection	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Wash hands after handling the product.
	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Safety glasses. (EN166)
	Chemical resistant gloves (PVC). (EN 374)
Respiratory protection	Not normally required. Do not breathe gas/fumes/vapour/spray.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic
pH	<3
Melting point	Not determined
Freezing Point	Not determined
Initial boiling point	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable to liquids
Fat Solubility	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not determined
Viscosity	150 cp @20°C (4%)
Explosive properties	Not explosive
Oxidising properties	Not oxidising
Solubility	Soluble in water
Vapour pressure	Not determined

9.2 Other information

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	1.14 g/cm ³

SECTION 10: Stability and reactivity

10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.
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10.2 Chemical stability

	Stable under normal conditions.
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10.3 Possibility of hazardous reactions

	No other adverse effects known.
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10.4 Conditions to avoid

	Avoid contact with: Alkalis, Chlorine-based bleaching agents
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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Skin corrosion/irritation	Causes burns.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No observed effect level.

11.1.4 Toxicological Information

Orthophosphoric acid	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: 1260 mg/kg	Oral Mouse LD50: NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA
Sodium xylenesulphonate	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50: >7000mg/kg
	Dermal Rabbit LD50: >200 mg/kg	Dermal Guinea Pig LD50: NDA
Isopropanol (Propan-2-ol)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50: NDA
	Oral Rat LD50: NDA	Oral Mouse LD50: 3600 mg/kg
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA

SECTION 12: Ecological information**12.1 Toxicity**

Orthophosphoric acid	Algae EC50/72h: NDA
	Guppy LC50/96h: NDA
	Daphnia LC50/48h: NDA
Quaternary ammonium compounds, trimethyltallow alkyl, chlorides (*R01)	Algae EC50/72h: NDA
	Guppy LC50/96h: NDA
	Daphnia LC50/48h: NDA
Sodium xylenesulphonate	Algae EC50/72h: 310mg/ml
	Guppy LC50/96h: >1000mg/ml
	Daphnia LC50/48h: 40.3000 mg/l
Isopropanol (Propan-2-ol)	Fish LC50/96h: 1000.0000 mg/l
	Daphnia LC50/48h: NDA
	Green algae EC50/96h: NDA

12.2 Persistence and degradability

	No data is available on this product.
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12.3 Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	No data is available on this product.
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12.4 Mobility in soil

	No data is available on this product.
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12.5 Results of PBT and vPvB assessment

	Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.
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12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

Disposal of packagingDispose of in compliance with all local and national regulations.
Empty containers can be cleaned with water.**Further information**

European Waste Catalogue: 20 01 14 acids.

SECTION 14: Transport information**Hazard pictograms****14.1 UN number**

UN1805

14.2 UN proper shipping name

PHOSPHORIC ACID, SOLUTION

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 III

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
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IATA

Packing Instruction (Cargo)	856
Maximum quantity	60L
Packing Instruction (Passenger)	852
Maximum quantity	5L

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU regulations:

- Regulation(EC)No.1907/2006 - REACH
- Regulation(EC)No1272/2008 - CLP
- Regulation(EC)No.648/2004 - Detergents regulation

Ingredients according to EC Detergents Regulation 648/2004
Less than 5%: Cationic surfactants
Other ingredients: Perfume

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas: Changes to sections 1, 3, 8, 9, 11, 12, 15
Acronyms	LC: Lethal concentration. LD: Lethal dose.

<p>Text of Hazard Statements in Section 3</p>	<p>NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available. 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. Acute Tox. 4: H302 - Harmful if swallowed. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>
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Further information

	<p>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.</p> <p>Internal ref: F000082</p>
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