

Created: 22/11/21

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name:	Toilet Cleaner & Limescale Remover	Supplier:	Out of Eden Ltd
Intended/Recommended use:	Toilet Cleaner	Address:	Home Farm Buildings Kirkby Stephen CA17 4AP UK
		Telephone:	+44 (0)1768 372939
		Email:	sales@outofeden.co.uk
		Emergency Tel:	Call NHS 111 or a doctor
		Supplier Tel:	+44 (0)1768 372939 (Office hours 9am to 5pm Mon-Fri (excl. Bank Holidays))

2. HAZARDS IDENTIFICATION

2.1 Classification This product is classified under EC 1272/2008

Physical and Chemical Hazards	Not classified
Human Health	May be irritating to skin & severely damaging to eyes
Environment	Not classified

2.1 Label Elements

Label in Accordance with (EC) No. 1272/2008



Signal Word
Hazard Statements

Warning

H319 Causes serious eye irritation
H315 Causes skin irritation
H302 Harmful if swallowed

Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use.
EUH 210 - Safety data sheet available on request.
P301 +P330 +P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302 +P352 IF ON SKIN: Wash with plenty of soap and water
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P305 +P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical attention.
P281 Use personal protective equipment as required.
Wear eye protection when there is a risk of splashing.
Wear rubber/impervious gloves for skin protection.

3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

3.1 Mixtures

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Citric Acid		1-5%
CAS-No.: 77-92-9	EC No.: 201-069-1	
Classification (EC 1272/2008) Eye Damage 2 – H319	Skin Irritant. 2 - H315 Resp. Irritant - H335	
Alcohol ethoxylate		1-5%
CAS-No.: 68439-46-3	EC No.: --	
Classification (EC 1272/2008) Eye Damage 1 – H318	Acute 4 – H302	



4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion	Rinse mouth thoroughly. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa. Seek medical advice immediately
Inhalation	No ill effects expected at concentrations used. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed with water.
Eye Contact	Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes.
Skin Contact	Rinse affected area with water as instructed, if needed apply a cold compress to relieve irritation.

4.2 Most important symptoms and effects, both acute & chronic

Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure no further exposure until condition improves. Be vigilant for asthmatic-like symptoms after inhalation. No Chronic effects known at the concentrations used in the mixture

4.3 Indication of any immediate medical attention and special treatment needed

If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesn't subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand. Be vigilant for asthma-like respiratory symptoms. These will require immediate medical assistance.

A cold compress can be used to alleviate skin irritation.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

Unsuitable extinguishing media

Not applicable.

5.2 Special hazards arising from the substance or mixture

Fumes may contain poisonous oxides of carbon and nitrogen (CO_x & NO_x) if affected by fire.

5.3 Advice for firefighters

Use appropriate extinguishing media for fires in the area. Firefighters should wear self-contained breathing apparatus if heat generated breakdown products are likely to be present

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and eyeshields for major releases only. Normal workplace or domestic spills do not require special precautions.

6.2 Environmental Precautions

Avoid spillage into surface water drains, soil / subsoil or vegetation.

6.3 Methods and material for containment and cleaning up

Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute as earlier and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.

7. HANDLING AND STORAGE

7.1 Handling

Avoid contact with skin and eyes. Do not mix with any other chemicals. Avoid contact with alkaline materials and metals

7.2 Storage

Store upright in original containers in a cool dry area out of the reach of children. Always keep in the original container.

7.3 Specific end use(s)

Use only as directed by the front page of this document and the product label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Name	STD	TWA – 8 Hrs Total inhalable / respirable	STEL – 15 Min	Comments
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Citric Acid (nuisance dust only)	OEL	10mg/m ³	4mg/m ³	--	-	
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Note: No other substances above 1% in the product with a listed exposure limit

8.2 Exposure Control

Respiratory Protection	Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear a facemask with a suitable particulate filter.
Skin Protection	Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear protective overalls and safety shoes/boots.
Eye Protection	Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear eyeshields.
Hand Protection	For prolonged contact with skin the use of rubber or PVC gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Blue viscous liquid	Flash Point (ACC)	-
Odour	Mild	Viscosity (20C)	300 cp approx.
pH	Between 1 & 2 typically	Relative Density	1.04
Boiling point	approx. 100 C	Water solubility	Soluble

9.2 Other Information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity	Will react with alkaline materials
10.2 Chemical Stability	Stable under normal conditions
10.3 Hazardous Reactions	Exothermic with Alkaline materials
10.4 Conditions to Avoid	Extreme hot or cold
10.5 Incompatible Materials	None noted but could be reactive / corrosive to steels
10.6 Hazardous decomposition products	Oxides of carbon & nitrogen. Possible Hydrogen gas if reacting with metals

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the RawMaterial Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

Acute Toxicity – Irritant & damaging to tissue and eyes

Component	LD-50, Oral mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Citric Acid	3000 (rat)	Not known but irritant	Not known but irritating	None known

Chronic Toxicity

Carcinogenicity	No evidence
Sensitization	No evidence
Mutagenic Effects	No information available
Reproductive Effects	Some limited evidence but not conclusive.
Developmental Effects	No information available.
Target Organs	No evidence but general internal tissue damage from ingestion
Endocrine Disruptor Info.	No information available.
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Component	Toxicity to Fish LC-50, mg/l	Exposure Time, Hrs	Comments
Citric Acid	440-760 (fish)	96	



12.3 Bioaccumulation Potential

With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

12.4 Mobility in soil

No information available but is biodegradable

12.5 Aquatic Toxicity

With the current information available, this is judged to be low at the dilutions that exist.

12.6 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Discharge used working solutions to drain is acceptable in small amounts due to the dilution of running water. Small amounts (less than 1 Litre) of unwanted concentrated product may be flushed with water to sewer with at least 15 minutes of running water.

Larger volumes of the concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste.

14. TRANSPORT

Not regulated for Transport

15. REGULATORY INFORMATION

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

EU legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Guidance

Workplace Exposure Limits EH40.

The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet. This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

Key literature references and sources for data

Safety Data Sheet, Misc. manufacturers.

CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.

CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

ECHA - C&L Inventory database.

Revision comments

This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Hazard statements in full

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 Possible respiratory irritation