

# SAFETY DATA SHEET



Version: 1.1 Date: 10 March 2025


according to the REACH Regulation (EC) 1907/2006 as amended by Regulation UK SI 2019/758 and UK SI 2020/1577

## Toilet Cleaner

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

|  |   |  |
|--|---|--|
| <b>1.1 Product identifier</b>  |   |  |
| Product name   | Toilet Cleaner  |  |
| Product Code   | WS4   |  |
| Product type   | Mixture   |  |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> |   |  |
| Identified Use(s)  | Cleaning and descaling of toilet bowls.                           |  |
| Uses advised against   | Anything other than the above.                                    |  |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              |   |  |
| Company Identification   | Clean Plus Chemicals<br>16 George Young Street<br>Auburn NSW 2144 |  |
| Telephone  | 02 9738 7444  |  |
| E-mail (competent person)  | reception@cleanplus.com.au  |  |
| <b>1.4 Emergency telephone number</b>  |   |  |
| Emergency Phone No.  | 1800 201 700  | Only available during office hours.<br>Monday to Friday 09.00 - 17.00, GMT |
| Languages spoken   | English   |  |

### SECTION 2: HAZARDS IDENTIFICATION

|   |  |  |
|---|--|--|
| <b>2.1 Classification of the substance or mixture</b>                                 |  |  |
| <b>2.1.1 Classification According to GB-CLP Regulations UK SI 2019/720 as amended</b> | Eye Irrit 2; H319<br>STOT SE 3, H335   |  |
| <b>2.2 Label elements</b>   | Labelling According to GB-CLP Regulations UK SI 2019/720 as amended  |  |
| Product name  | Toilet Cleaner:  |  |
| Contains:   | Citric Acid  |  |
| Hazard Pictogram(s)   |   |  |
| Signal Word(s)  | Danger   |  |
| Hazard Statement(s)   | H319 - Causes serious eye irritation.<br>H335 - May cause respiratory irritation   |  |
| Precautionary Statement(s)  | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P261: Avoid breathing dust/fume/gas/mist/vapours/spray<br>P264: Wash hands thoroughly after handling.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection<br>P304+ P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. |  |

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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 advice/attention.  
P501: Dispose of contents/container to a licensed facility in accordance with national regulations

Supplemental information

None

### 2.3 Other hazards

The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances Not applicable

### 3.2 Mixtures Substances in preparations / mixtures. According to Regulation (EC) No. 1272/2008 (CLP)

| Chemical identity of the substance | %W/W    | CAS No. | EC No./Index No            | REACH Registration No.               | Hazard classification                 |
|------------------------------------|---------|---------|----------------------------|--------------------------------------|---------------------------------------|
| Citric Acid                        | 75 - 90 | 77-92-9 | 201-069-1/<br>607-750-00-3 | Not yet assigned in the supply chain | Eye Irrit. 2; H319<br>STOT SE 3; H335 |
| Non-pathogenic bacteria            | ≤ 0.02  | -       | -                          | -                                    | Not classified                        |

For full text of H phrases see section 16.

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust. Contaminated clothing should be laundered before reuse. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Skin contact

IF ON SKIN: Gently wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact

Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If symptoms persist, consult a doctor.

Ingestion

IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause respiratory irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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### SECTION 5: FIREFIGHTING MEASURES

- |  |  |
|--|--|
| <b>5.1 Extinguishing media</b><br>Suitable extinguishing media<br>Unsuitable extinguishing media | In case of fire: Water spray, foam, dry powder or CO <sub>2</sub> .<br>Do not use water jet. Direct water jet may spread the fire.   |
| <b>5.2 Special hazards arising from the substance or mixture</b>                                 | No specific fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide carbon monoxide   |
| <b>5.3 Advice for firefighters</b>   | Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers. |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- |  |   |
|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | No action should be taken involving personal risk. Provided it is safe to do so, isolate the source of the leak. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust. |
| <b>6.2 Environmental precautions</b>   | Avoid release to environment  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Sweep up spilled substance. Avoid dust generation. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal. Recover the product where possible. Wash the spillage area with water.               |
| <b>6.4 Reference to other sections</b>   | See Also Section: 8, 13.  |

### SECTION 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <b>7.1 Precautions for safe handling</b>   | When using do not eat or drink. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing dust. Wash hands and exposed skin thoroughly after handling. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b><br>Storage temperature<br>Incompatible materials | Keep container closed. Avoid exposure to moisture, thermal decomposition. Do not overheat<br>Stable at ambient temperatures. Recommended: <25 °C to prolong storage life.<br>Keep away from oxidising agents and strong bases..   |
| <b>7.3 Specific end use(s)</b>   | See Section: 1.2.   |

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |  |  |
|--|--|
| <b>8.1 Control parameters</b>  |  |
| <b>8.1.1 Occupational exposure limits</b>  | The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m <sup>3</sup> (8hr TWA) total inhalable dust; 4 mg/m <sup>3</sup> (8hr TWA) total respirable dust.   |
| <b>8.1.2 Biological limit value</b>  | Not established.   |
| <b>8.1.3 PNECs and DNELs</b>   | None assigned  |
| <b>8.2 Exposure controls</b>   |  |
| <b>8.2.1 Appropriate engineering controls</b>                                      | Guarantee that the eye flushing systems and safety showers are located close to the working place. Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. |
| <b>8.2.2 Individual protection measures, such as personal protective equipment</b> | Keep good industrial hygiene. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke at the work place. Wash hands before breaks and after work.                       |

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Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection



If in risk of eye contact: Use eye protection according to EN 166, designed to protect against dusts.

Skin protection



**Hand protection:**

For users with sensitive skin or for prolonged contact: Wear protective gloves. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Suitable material: PVC, Neoprene, Natural rubber

**Body protection:**

Wear work clothes with long sleeves.

Respiratory protection



An approved dust mask should be worn if dust is generated during handling. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

Thermal hazards

Not applicable.

8.2.3 Environmental exposure controls

Not applicable.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                                   | Off-white granulated solid                       |
| Odour  | Characteristic - Citrus                          |
| Odour threshold                              | Not established                                  |
| pH   | Diluted solution 10% ~ 2 – 2.5                   |
| Melting point/freezing point                 | >160°C (Citric Acid)                             |
| Initial boiling point and boiling range      | Not applicable - solid                           |
| Flash point                                  | Not applicable - solid                           |
| Evaporation rate                             | Not applicable - solid                           |
| Flammability (solid, gas)                    | Not expected to be flammable                     |
| Upper/lower flammability or explosive limits | Not established                                  |
| Vapour pressure                              | Not applicable - solid                           |
| Vapour density                               | Not applicable - solid                           |
| Relative density                             | Not established                                  |
| Solubility(ies)                              | Not established                                  |
| Partition coefficient: n-octanol/water       | Not established                                  |
| Auto-ignition temperature                    | Not expected to self-ignite.                     |
| Decomposition temperature                    | Not established                                  |
| Viscosity                                    | 950 - 1000 cP after reconstitution as instructed |
| Explosive properties                         | Not explosive                                    |
| Oxidising properties                         | Not classified.                                  |

### 9.2 Other information

None Known

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

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|------|---|--|
| 10.2 | <b>Chemical stability</b>                 | Stable under normal conditions.  |
| 10.3 | <b>Possibility of hazardous reactions</b> | Under normal conditions of storage and use, hazardous decomposition products should not be produced.       |
| 10.4 | <b>Conditions to avoid</b>                | Avoid high temperatures or direct sunlight. Avoid dust formation. Avoid contact with strong mineral acids. |
| 10.5 | <b>Incompatible materials</b>             | Keep away from Strong bases Oxidizing agents.  |
| 10.6 | <b>Hazardous decomposition products</b>   | May give off noxious and toxic fumes in a fire.  |

### SECTION 11: TOXICOLOGICAL INFORMATION

|      |   |  |
|------|---|--|
| 11.1 | <b>Information on toxicological effects</b> |  |
|      | <b>Acute Toxicity - Ingestion</b>           | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.    |
|      | <b>Acute Toxicity - Inhalation</b>          | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l (Dusts) |
|      | <b>Acute Toxicity - Skin contact</b>        | Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.    |
|      | <b>Skin corrosion/irritation</b>            | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>Serious eye damage/irritation</b>        | Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.  |
|      | <b>Respiratory or skin sensitisation</b>    | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>Germ cell mutagenicity</b>               | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>Carcinogenicity</b>                      | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>Reproductive toxicity</b>                | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>STOT - single exposure</b>               | Mixture: H335 May cause respiratory irritation.  |
|      | <b>STOT - repeated exposure</b>             | Mixture: Based upon the available data, the classification criteria are not met.   |
|      | <b>Aspiration hazard</b>                    | Mixture: Based upon the available data, the classification criteria are not met.   |

Toxicological information on ingredients:

#### **CITRIC ACID (CAS 77-92-9)**

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5400 mg/kg Species Rat

Acute toxicity dermal (LD<sub>50</sub> mg/kg) > 2000 mg/kg Rat

|      |                          |       |
|------|--------------------------|-------|
| 11.2 | <b>Other information</b> | None. |
|------|--------------------------|-------|

### SECTION 12: ECOLOGICAL INFORMATION

|      |                                      |  |
|------|--------------------------------------|--|
| 12.1 | <b>Toxicity</b>                      | Mixture: Based upon the available data, the classification criteria are not met.   |
|      |                                      | Citric Acid (CAS: 77-92-9) LC <sub>50</sub> (48h) 440 mg/L, Leuciscus idus melanotus, (Short-term toxicity to fish)<br>EC <sub>50</sub> , (24h) 1535 mg/l, Daphnia magna, (Short-term toxicity to aquatic invertebrates) |
| 12.2 | <b>Persistence and degradability</b> | No data for the mixture as a whole.  |
|      |                                      | Citric Acid (CAS: 77-92-9) Readily biodegradable.% Biodegradation (19 days): 100 (OECD301E)  |
| 12.3 | <b>Bioaccumulative potential</b>     | No data for the mixture as a whole.  |
|      |                                      | Citric Acid (CAS: 77-92-9) The substance has low potential for bioaccumulation. Low log Kow: <3  |

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|      |   |  |
|------|---|--|
| 12.4 | <b>Mobility in soil</b>                   | No data for the mixture as a whole.  |
|      | Citric Acid (CAS: 77-92-9)                | No data available  |
| 12.5 | <b>Results of PBT and vPvB assessment</b> | Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance. |
| 12.6 | <b>Other adverse effects</b>              | None known.  |

### SECTION 13: DISPOSAL CONSIDERATIONS

|      |   |  |
|------|---|--|
| 13.1 | <b>Waste treatment methods</b>  | Disposal should be in accordance with local, state or national legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Uncleaned empties should be disposed of in the same manner as the contents. Recover or recycle if possible. |
| 13.2 | <b>Additional information</b><br>Waste classification according to Directive 2008/98/EC (Waste Framework Directive) | HP4; Irritant — skin irritation and eye damage<br>HP 5; Specific Target Organ Toxicity (STOT)/Aspiration Toxicity  |

### SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

|      | ADR/RID   | IMDG           | IATA/ICAO      |
|------|---|----------------|----------------|
| 14.1 | <b>UN number</b>  | Not applicable | Not applicable |
| 14.2 | <b>UN proper shipping name</b>  | Not applicable | Not applicable |
| 14.3 | <b>Transport hazard class(es)</b>   | Not applicable | Not applicable |
| 14.4 | <b>Packing group</b>  | Not applicable | Not applicable |
| 14.5 | <b>Environmental hazards</b>  | Not applicable | Not applicable |
| 14.6 | <b>Special precautions for user</b>                                       | Not applicable | Not applicable |
| 14.7 | <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable |                |
| 14.8 | <b>Additional Information</b>   | None           |                |

### SECTION 15: REGULATORY INFORMATION

|        |   |  |
|--------|---|--|
| 15.1   | <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |  |
| 15.1.1 | <b>EU regulations</b><br>Authorisations and/or restrictions on use                                    | Not restricted   |
|        | <b>GB Regulations</b><br><b>Detergent regulations 2004/648/EC</b>                                     | Not restricted<br>Labelling; Contains less than 5% non-anionic surfactants, perfumes |
| 15.1.2 | <b>National regulations</b><br>Wassergefährdungsklasse (Germany)                                      | Water hazard class: 1 (Self classification)  |
| 15.2   | <b>Chemical Safety Assessment</b>   | A chemical safety assessment is not required under REACH.                            |

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Sections indicated with the following have been revised

Previous Issue 1.0 Date: 27/02/2024

References:

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Existing Safety Data Sheets (SDSs).  
GB Mandatory Classification list for; Citric Acid (CAS No. 77-92-9)  
Existing ECHA registration for Citric Acid (CAS No. 77-92-9);

| Classification of the substance or mixture according to The retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain | Classification Procedure |
|---|--------------------------|
| Eye Irrit. 2  | Threshold Calculation    |
| STOS SE 3   | Threshold Calculation    |

### Legend

|       |   |
|-------|---|
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CAS   | Chemical Abstracts Service  |
| DNEL  | Derived No Effect Level   |
| EC    | European Community  |
| ECHA  | European Chemicals Agency   |
| EU    | European Union  |
| IATA  | International Air Transport Association   |
| ICAO  | International Civil Aviation Organization   |
| IMDG  | International Maritime Dangerous Goods  |
| LC50  | Lethal concentration at which 50% of the population is killed                       |
| LD50  | Lethal dose at which 50% of the population is killed                                |
| LTEL  | Long Term Exposure Limit  |
| OECD  | Organisation for Economic Cooperation and Development                               |
| PBT   | Persistent, Bioaccumulative and Toxic   |
| PNEC  | Predicted No Effect Concentration   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals                |
| RID   | Regulations concerning the international railway transport of dangerous goods       |
| STEL  | Short Term Exposure Limit   |
| TWA   | Time Weighted Average   |
| UN    | United Nations  |
| vPvB  | very Persistent and very Bioaccumulative  |

| Hazard classification / Classification code:                            | Hazard Statement(s)                     |
|---|---|
| Eye Irrit. 2; Eye Irritation, Category 2                                | H319: Causes serious eye irritation.    |
| STOT SE 3; Specific Target Organ Toxicity — Single Exposure, Category 3 | H335: May cause respiratory irritation. |

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### Disclaimers

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### Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.