



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 01-Mar-2023

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Revision Number 1

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

### 1.1. Product identifier

Product code 30535/30181, 33347

Product Name Spectra Descaler

Unique Formula Identifier (UFI) (25g):CJEC-GF9R-J10G-XXD ; (600g):2YMH-W4A6-W004-1PGA

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

Recommended Use Descaler

### 1.3. Details of the supplier of the safety data sheet

Supplier name Cafetto

Supplier Address 12 Coglein Street, Brompton SA 5007 Australia  
Parkstraat 83 2514JG Den Haag, The Netherlands;  
37-38 Long Acre, WC2E 9JT, London, U.K.

Supplier phone number Australia: +61 8 8245 6901  
New Zealand: 0800 772 227  
USA: 206 462 5212  
EU: +31 70 353 8142  
UK: +44 20 7193 7370

Supplier email enquiry@cafetto.com

For further information, please contact.

### 1.4. Emergency telephone number

Emergency telephone

Emergency telephone §45 - (EC)1272/2008

|           |     |
|-----------|-----|
| Europe    | 112 |
| Australia | 000 |

|                |     |
|----------------|-----|
| UNITED STATES  | 911 |
| United Kingdom | 999 |

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

|                                   |                     |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
|-----------------------------------|---------------------|

### 2.2. Label elements



Signal word

Warning

#### Hazard Statements

H319 - Causes serious eye irritation

#### Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

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

### 2.3. Other hazards

No information available

## Section 3: Composition/information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

| Chemical name | EC No     | CAS No  | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|---------------|-----------|---------|----------|-----------------------------------------------------------------|---------------------------|
| Citric Acid   | 201-069-1 | 77-92-9 | >60%     | STOT SE 3 (H335)<br>Eye Irrit. 2 (H319)                         | 01-2119457026-42-0020     |
| Tartaric acid | 201-766-0 | 87-69-4 | 1-10%    | Eye Dam. 1 (H318)                                               | No data available         |

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**Section 4: First aid measures****4.1. Description of first aid measures**

|                                           |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                            |
| <b>Inhalation</b>                         | Remove to fresh air.                                                                                                                                                                                                                                                                |
| <b>Skin contact</b>                       | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                                                                                                                                                                                |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Ingestion</b>                          | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.                                                                                                                       |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).                                                                                                                                                                                       |

**4.2. Most important symptoms and effects, both acute and delayed**

|                 |                    |
|-----------------|--------------------|
| <b>Symptoms</b> | Burning sensation. |
|-----------------|--------------------|

**4.3. Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

**Section 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media**

|                                     |                                                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Large Fire</b>                   | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture****Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous Combustion Products**

Carbon oxides.

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

|                                 |                                                                                           |
|---------------------------------|-------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>     | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| <b>Other Information</b>        | Refer to protective measures listed in Sections 7 and 8.                                  |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8.                                         |

**6.2. Environmental precautions**

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Should not be released into the environment. See Section 12 for additional Ecological Information. |
|----------------------------------|----------------------------------------------------------------------------------------------------|

**6.3. Methods and material for containment and cleaning up**

|                                |                                                                       |
|--------------------------------|-----------------------------------------------------------------------|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so.                 |
| <b>Methods for cleaning up</b> | Take up mechanically, placing in appropriate containers for disposal. |

**6.4. Reference to other sections**

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

**Section 7: Handling and storage****7.1. Precautions for safe handling**

|                                       |                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. |
| <b>General Hygiene Considerations</b> | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.                          |

**7.2. Conditions for safe storage, including any incompatibilities**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Storage Conditions</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. |
|---------------------------|--------------------------------------------------------------------------|

**7.3. Specific end use(s)**

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Identified uses</b>               |                                                                  |
| <b>Risk Management Methods (RMM)</b> | The information required is contained in this Safety Data Sheet. |

**Section 8: Exposure controls/personal protection****8.1. Control parameters**

**Exposure Limits**

| Chemical name            | European Union | United Kingdom                                        | France | Spain  | Germany                  |
|--------------------------|----------------|-------------------------------------------------------|--------|--------|--------------------------|
| Citric Acid<br>77-92-9   | -              | -                                                     | -      | -      | TWA: 2 mg/m <sup>3</sup> |
| Tartaric acid<br>87-69-4 | -              | -                                                     | -      | -      | TWA: 2 mg/m <sup>3</sup> |
| Chemical name            | Austria        | Switzerland                                           | Poland | Norway | Ireland                  |
| Citric Acid<br>77-92-9   | -              | STEL: 4 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup> | -      | -      | -                        |
| Tartaric acid<br>87-69-4 | -              | STEL: 4 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup> | -      | -      | -                        |

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2. Exposure controls****Personal protective equipment**

|                                 |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | If splashes are likely to occur, wear safety glasses with side-shields.                                                                                                  |
| <b>Hand Protection</b>          | Wear suitable gloves.                                                                                                                                                    |
| <b>Skin and body protection</b> | Wear suitable protective clothing.                                                                                                                                       |
| <b>Respiratory protection</b>   | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |

**Environmental exposure controls** No information available.

**General Hygiene Considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## Section 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Solid                    |
| <b>Appearance</b>     | Brown                    |
| <b>Odor</b>           | Characteristic           |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | Not applicable           |

| <b><u>Property</u></b>               | <b><u>Values</u></b> | <b><u>Remarks</u></b> | <b><u>Method</u></b> |
|--------------------------------------|----------------------|-----------------------|----------------------|
| <b>pH</b>                            | (1% soln) 2.4        | None known            |                      |
| <b>Melting / freezing point</b>      | No data available    | None known            |                      |
| <b>Boiling point / boiling range</b> | No data available    | None known            |                      |
| <b>Flash Point</b>                   | No data available    | None known            |                      |
| <b>Evaporation Rate</b>              | No data available    | None known            |                      |
| <b>Flammability (solid, gas)</b>     | No data available    | None known            |                      |

|                                                   |                   |            |
|---------------------------------------------------|-------------------|------------|
| <b>Flammability Limit in Air</b>                  |                   | None known |
| Upper flammability limit                          | No data available |            |
| Lower flammability limit                          | No data available |            |
| <b>Vapor pressure</b>                             | No data available | None known |
| <b>Vapor density</b>                              | No data available | None known |
| <b>Relative density</b>                           | No data available | None known |
| <b>Water Solubility</b>                           | Soluble in water  |            |
| <b>Solubility(ies)</b>                            | No data available | None known |
| <b>Partition coefficient:<br/>n-octanol/water</b> | Not Applicable    |            |
| <b>Autoignition temperature</b>                   | No data available | None known |
| <b>Decomposition temperature</b>                  | No data available | None known |
| <b>Kinematic viscosity</b>                        | No data available | None known |
| <b>Dynamic viscosity</b>                          | No data available | None known |
| <b>Explosive properties</b>                       | No data available |            |
| <b>Oxidizing properties</b>                       | No data available |            |

## **9.2. Other information**

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Softening Point</b>            | No information available |
| <b>Molecular Weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Liquid Density</b>             | No information available |
| <b>Bulk Density</b>               | No information available |
| <b>Particle Size</b>              | No information available |
| <b>Particle Size Distribution</b> | No information available |

## **Section 10: Stability and reactivity**

### **10.1. Reactivity**

**Remarks** No data available.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### **10.4. Conditions to avoid**

None known.

#### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### **10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon oxides.

**Section 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

|                     |                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.                                                  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.                   |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.             |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause redness and tearing of the eyes.

**Numerical measures of toxicity****Acute toxicity****Unknown acute toxicity**

98.574 % of the mixture consists of ingredient(s) of unknown toxicity  
 13.05582 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 98.574 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 98.574 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 98.574 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 98.574 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

| Chemical name | Oral LD50            | Dermal LD50        | Inhalation LC50      |
|---------------|----------------------|--------------------|----------------------|
| Citric Acid   | = 11,700 mg/kg (Rat) | > 2000 mg/kg (Rat) | = 725 mg/L (Rat) 4hr |
| Tartaric acid | > 2000 mg/kg (Rat)   | > 2000 mg/kg (Rat) | -                    |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                          |                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | May cause skin irritation.                                                             |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation. |
| <b>Respiratory or skin sensitization</b> | No information available.                                                              |

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

#### **11.2 Information on other hazards**

##### **11.2.1 Endocrine disrupting properties**

**Endocrine disrupting properties** No information available

##### **11.2.2. Other information**

**Other adverse effects** No information available

### **Section 12: Ecological information**

#### **12.1. Toxicity**

##### **Ecotoxicity**

**Unknown aquatic toxicity** 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish                 | Toxicity to microorganisms | Crustacea            |
|---------------|----------------------|----------------------|----------------------------|----------------------|
| Citric Acid   | No data available    | 48h LC50, 440 mg/L   | No data available          | 24h LC50, 1535 mg/L  |
| Tartaric acid | 72h EC50, 51.4 mg/L  | 96h LC50, > 100 mg/L | No data available          | 48h EC50, 93.31 mg/L |

#### **12.2. Persistence and degradability**

**Persistence and Degradability** No information available.

#### **12.3. Bioaccumulative potential**

##### **Bioaccumulation**

#### **12.4. Mobility in soil**

**Mobility in soil** No information available.

#### **12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** No information available.

| Chemical name | PBT and vPvB assessment         |
|---------------|---------------------------------|
| Citric Acid   | The substance is not PBT / vPvB |
| Tartaric acid | The substance is not PBT / vPvB |

#### **12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available

#### **12.7. Other adverse effects**

No information available.

### **Section 13: Disposal considerations**

#### **13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** No information available.

### **Section 14: Transport information**

**IMDG/IMO** Not applicable

**14.1 UN number or ID number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport hazard class(es)** Not applicable

**14.4 Packing group** Not applicable

**14.5 Marine pollutant** Not applicable

**14.6 Special precautions for user** None

**14.7 Maritime transport in bulk according to IMO instruments** No information available

**RID** Not applicable

**14.1 UN number or ID number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport hazard class(es)** Not applicable

**14.4 Packing group** Not applicable

**14.5 Environmental hazards** Not applicable

**14.6 Special precautions for user** None

**ADR** Not applicable

**14.1 UN number or ID number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport hazard class(es)** Not applicable

**14.4 Packing Group** Not applicable

**14.5 Environmental hazards** Not applicable

**14.6 Special precautions for user** None

**IATA** Not applicable  
**14.1 UN number or ID number** Not applicable  
**14.2 UN proper shipping name** NON REGULATED  
**14.3 Transport hazard class(es)** Not applicable  
**14.4 Packing group** Not applicable  
**14.5 Environmental hazards** Not applicable  
**14.6 Special precautions for user** None

## Section 15: Regulatory information

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

#### National regulations

**Germany**  
**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

| Chemical name         | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|-----------------------|-------------------------------------------|--------------------------------------------------------|
| Citric Acid - 77-92-9 | Use restricted. See item 75.              |                                                        |

#### **Persistent Organic Pollutants**

Not applicable.

#### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable.

### 15.2. Chemical safety assessment

No information available.

#### **Additional Regulatory Information:**

This SDS complies with legislative requirements in Australia, including Safe Work Australia guidelines, Australian Dangerous Goods Code and the criteria for the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. In accordance with European Regulation (EC) No 648/2004, this product contains: Non-Ionic surfactants 1-10%

## Section 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

#### Legend

|         |                                                              |
|---------|--------------------------------------------------------------|
| SVHC    | Substance of very high concern                               |
| LC50    | Lethal Concentration to 50% of a test population             |
| LD50    | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| PBT     | Persistent, Bioaccumulative and Toxic substance              |
| vPvB    | Very Persistent and Very Bioaccumulative                     |
| STEL    | Short Term Exposure Limit                                    |
| STOT RE | Specific target organ toxicity - Repeated exposure           |
| STOT SE | Specific target organ toxicity - Single exposure             |
| TWA     | Time-Weighted Average                                        |

#### Section 8: Exposure controls and personal protection

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | -    | Skin designation                 |

#### Classification procedure

##### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australian Inventory of Industrial Chemicals  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

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This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

End of Safety Data Sheet