



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

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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 BCC101 / BCC102

Product Name Breville the Machine Descaler 25g

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 Breville
Supplier Address (AU): Suite 2, 170-180 Bourke Rd, Alexandria NSW 2015
(NZ): 5 Broadway, Newmarket 1023, Auckland, New Zealand
(USA): 19400 S. Western Ave, Torrance CA, 90501-1119
(CA): 300 Town Centre Blvd, Suite 201, Markham, Ontario, L3R 5Z6, Canada
(MX): BREVILLEMÉXICO, S.A. DE C.V. MONTES URALES 360 PISO 2COL. LOMAS DE CHAPULTEPEC III SECCIÓN MIGUEL HIDALGO CIUDAD DE MÉXICO C.P. 11000 MÉXICO
Supplier phone number (AU): 1300 139 798
(NZ): 0800 273 845
(USA): 1-866-273-8455
(CA): 1-855-683-3535
(MX): 1-800-953-1668
Supplier email (AU): askus@breville.com.au
(NZ): askus@breville.co.nz
(USA): brevilleusasupport.com
(CA): breville.ca/support
(MX): breville.mx/support
Manufacturer Cafetto
12 Coglin Street, Brompton SA 5007 Australia
International: +61 8 8245 6901
(EU): +31 70 353 8142
(UK): +31 70 353 8142
enquiry@cafetto.com

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
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2.1. Classification of the substance or mixture**Regulation (EC) No 1272/2008**

Skin corrosion/irritation	Category 2 (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 Respiratory irritation

2.2. Label elements**Signal word****Warning****Hazard Statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory 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

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

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

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

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]
Citric Acid	201-069-1	77-92-9	>60%	STOT SE 3 (H335) Eye Irrit. 2 (H319)
Tartaric acid	201-766-0	87-69-4	1-10%	Eye Dam. 1 (H318)

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**

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. (Call a physician if symptoms occur.).
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Eye contact	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.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider Use personal protective equipment as required.

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

Symptoms No information available.

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

Note to physicians Treat symptomatically.

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

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, Dry chemical, CO2 or water spray.

Small Fire Dry chemical or CO2.

Large Fire 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

No information available.

Hazardous Combustion Products

No information available.

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

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Should not be released into the environment. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal. Avoid breathing dust or spray mist.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling 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.

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Exposure scenario No information available.

Identified uses

Risk Management Methods (RMM) 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 77-92-9	-	-	-	-	TWA: 2 mg/m ³
Tartaric acid 87-69-4	-	-	-	-	TWA: 2 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Citric Acid 77-92-9	-	STEL: 4 mg/m ³ TWA: 2 mg/m ³	-	-	-
Tartaric acid 87-69-4	-	STEL: 4 mg/m ³ TWA: 2 mg/m ³	-	-	-

Derived No Effect Level (DNEL) No information available

Oral

(Tartaric Acid 87-69-4) Public long-term systemic 8.1 mg/kg bw/d

Dermal

(Tartaric Acid 87-69-4) Public long-term systemic 1.5 mg/kg bw/d and Worker long-term systemic 2.9 mg/kg bw/d

Inhalation

(Tartaric Acid 87-69-4) Public long-term systemic 1.3 mg/m³ and Worker long-term systemic 5.2 mg/m³

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand Protection

Wear suitable gloves. Nitrile rubber.

Skin and body protection	Wear suitable protective clothing.
Respiratory protection	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

Physical state	Solid
Appearance	Powder(s)
Odor	Characteristic
Color	White
Odor Threshold	Not applicable
<u>Property</u>	<u>Values</u>
pH	1.9-2.8 at 1%w/w (20 °C)
Melting / freezing point	Property does not apply for product
Boiling point / boiling range	Property does not apply for product
Flash Point	Property does not apply for product
Evaporation Rate	Property does not apply for product
Flammability (solid, gas)	Property does not apply for product
Flammability Limit in Air	
Upper flammability limit	Property does not apply for product
Lower flammability limit	Property does not apply for product
Vapor pressure	Property does not apply for product
Vapor density	Property does not apply for product
Relative density	Property does not apply for product
Water Solubility	Soluble in water
Solubility(ies)	Completely miscible with water
Partition coefficient: n-octanol/water	Property does not apply for product
Autoignition temperature	Property does not apply for product
Decomposition temperature	Property does not apply for product
Kinematic viscosity	Property does not apply for product
Dynamic viscosity	Property does not apply for product
Explosive properties	Property does not apply for product
Oxidizing properties	Property does not apply for product

9.2. Other information

Softening Point	Property does not apply for product
Molecular Weight	Property does not apply for product
VOC Content (%)	Property does not apply for product
Liquid Density	Property does not apply for product
Bulk Density	Property does not apply for product
Particle Size	Property does not apply for product
Particle Size Distribution	Property does not apply for product
Minimum Ignition Temperature	Product not self igniting.

(°C)

Minimum Explosive Conc. (g/m³) Product does not present an explosion hazard.**Section 10: Stability and reactivity****10.1. Reactivity**

Reactivity	No information available.
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.
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Hazardous Polymerization	Hazardous polymerization does not occur.
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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 productsCarbon monoxide, Carbon dioxide (CO₂).**Section 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	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.

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

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive Toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Endocrine disrupting properties None of the ingredients are listed

11.2.2. Other information

Other adverse effects No information available

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity

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 Not considered to be persistent. Has degradable properties.

12.3. Bioaccumulative potential

Bioaccumulation Not considered to be bioaccumulative.

12.4. Mobility in soil

Mobility in soil High mobility in soil based on molecular structure

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Not considered to be persistent, bioaccumulating and toxic.
Not considered to be very persistent and very bioaccumulating.

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 None of the ingredients are listed

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 None

user

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

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:

New Zealand

HSNO Approval Number: HSR002530 Cleaning Products (Subsidiary) Hazard Group Standard 2020.

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

Section 16: Other information

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

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:

Expert judgment and weight of evidence determination

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 (AIIC)
 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