



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 BES014
Product Name Breville ECO 2 in 1 Cleaner & Descaler

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

Recommended Use Coffee/Esspresso machine/equipment cleaner

1.3. Details of the supplier of the safety data sheet

Supplier name Breville Pty Ltd
Supplier Address Suite 2, 170-180 Bourke Road, Alexandria, NSW, 2015, Australia
Supplier phone number +61 2 9384 8100
Supplier email www.breville.com

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone No information available

| | |
|---|-----|
| 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 |
|-----------------------------------|------------|

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

P280 - Wear protective gloves and eye/face protection

P264 - Wash hands thoroughly after handling

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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 or doctor

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

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

P310 - Immediately call a POISON CENTER or doctor

2.3. Other hazards

No information available

Section 3: Composition/information on ingredients**3.1 Substances**

| Chemical name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|--|-----------|------------|----------|---|---------------------------|
| Glycolic acid | 201-180-5 | 79-14-1 | 1-10% | No data available | No data available |
| Lactic acid | 200-018-0 | 50-21-5 | 1-10% | No data available | No data available |
| Synthetic alcohol (C9-11), ethoxylated | - | 68439-46-3 | 1-10% | Acute Tox. 4 (H302) 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**

| | |
|--------------|--|
| Inhalation | Remove to fresh air. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

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. |
|------------------------------|---|

| | |
|------------|--|
| 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

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

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 | Ensure adequate ventilation. |
| For emergency responders | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

| | |
|---------------------------|--|
| Environmental precautions | Should not be released into the environment. 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. |

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 | Ensure adequate ventilation. |
|--------------------------------|------------------------------|

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------------|---|
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. |
|---------------------------|---|

7.3. Specific end use(s)

| | |
|--------------------------------------|--|
| 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 | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies |
|------------------------|--|

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

| | |
|--|--|
| Eye/face protection | Tight sealing safety goggles. |
| 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. |

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|----------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear to yellow |
| Odor | No information available |
| Color | No information available |
| Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> | <u>Method</u> |
|--|-------------------|----------------|---------------|
| pH | 2.0 | None known | |
| Melting / freezing point | No data available | None known | |
| Boiling point / boiling range | No data available | None known | |
| Flash Point | No data available | None known | |
| Evaporation Rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limit in Air | | None known | |
| Upper flammability limit | No data available | | |
| Lower flammability limit | No data available | | |
| Vapor pressure | No data available | None known | |
| Vapor density | No data available | None known | |
| Relative density | No data available | None known | |
| Water Solubility | No data available | None known | |
| Solubility(ies) | No data available | None known | |
| Partition coefficient: n-octanol/water | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |
| Kinematic viscosity | No data available | None known | |
| Dynamic viscosity | No data available | None known | |
| Explosive properties | No data available | | |
| Oxidizing properties | No data available | | |

9.2. Other information

| | |
|----------------------------|--------------------------|
| Softening Point | No information available |
| Molecular Weight | No information available |
| VOC Content (%) | No information available |
| Liquid Density | No information available |
| Bulk Density | No information available |
| Particle Size | No information available |
| Particle Size Distribution | 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 | None under normal processing. |
|--------------------------|-------------------------------|

Reactions**10.4. Conditions to avoid**

Chlorine-based bleaching agents.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

10.5. Incompatible materials

Caustic.

10.6. Hazardous decomposition products

None under normal use conditions.

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

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

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

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|---|---------------------|---|
| Glycolic acid | = 1950 mg/kg (Rat) | - | = 3.6 mg/L (Rat) 4 h > 5.2 mg/L (Rat) 4 h |
| Lactic acid | = 3543 mg/kg (Rat) | > 2 g/kg (Rabbit) | > 7.94 mg/L (Rat) 4 h |
| Synthetic alcohol (C9-11), ethoxylated | = 1378 mg/kg (Rat) = 1400 mg/kg (Rat) | > 2 g/kg (Rabbit) | - |

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization 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 disruptive properties

Endocrine disruptive properties No information available

11.2.2. Other information

Other adverse effects No information available

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity No information available.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|----------------------|---|----------------------------|-------------------|
| Glycolic acid | No data available | 96h LC50: > 5000 mg/L (Brachydanio rerio) | No data available | No data available |

12.2. Persistence and degradability

Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Glycolic acid | -1.11 |

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 |
|--|---|
| Glycolic acid | The substance is not PBT / vPvB PBT assessment does not apply |
| Synthetic alcohol (C9-11), ethoxylated | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No additional information

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

- 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

- 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

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

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

| |
|---|
| Section 15: Regulatory information |
|---|

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

| Chemical name | French RG number | Title |
|------------------------|--|-------|
| Lactic acid 50-21-5 | RG 5, RG 14, RG 15, RG 15bis, RG 20bis | - |

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).

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

Section 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:

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
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
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

Issuing Date 25-Oct-2023**Revision Date** 25-Oct-2023**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.****Disclaimer**

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End of Safety Data Sheet