



# 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 2

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

### 1.1. Product Identifier

**Product code** E10767/39041  
**Product Name** TopBrewer Milk Cleaner Acidic Descaling  
**CLP unique formula identifier (UFI)** Y2TX-A0H6-900W-9QSD

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

**Recommended Use** Milk system cleaner

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

**Supplier name** Cafetto  
**Supplier Address** 12 Coglin Street, Brompton SA 5007 Australia  
Parkstraat 83 2514JG Den Haag, The Netherlands;  
9 Raffles Place, #27-00 Republic Plaza, Singapore 048619  
**Supplier phone number** Australia: +61 8 8245 6901  
New Zealand: 0800 772 227  
USA: 206 462 5212  
EU: +44 20 7193 7370  
Singapore: 800 616 3122  
**Supplier email** enquiry@cafetto.com

For further information, please contact.

### 1.4. Emergency telephone number

**Emergency Telephone** No information available

<b>Emergency Telephone §45 - (EC)1272/2008</b>	
<b>Europe</b>	112
<b>Australia</b>	000
<b>UNITED STATES</b>	911
<b>United Kingdom</b>	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)
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### 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/protective clothing/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

P501 - Dispose of contents/ container to an approved waste disposal plant

### 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.	REACH Registration
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				1272/2008 [CLP]	Number
Citric Acid	201-069-1	77-92-9	10-30%	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. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
<b>INGESTION</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If swallowed. 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.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## 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** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. 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** Prevent further leakage or spillage if safe to do so.

**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** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**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. Take off contaminated clothing and wash before reuse.

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

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

**Storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Store in a 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**

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

- Eye/Face Protection** If splashes are likely to occur, wear safety glasses with side-shields.
- Hand protection** Wear suitable gloves. Impervious gloves.
- Skin and Body Protection** Wear suitable protective clothing. Long sleeved 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** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state** Liquid  
**Appearance** Clear

Odor	Neutral
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	2.1-2.4	
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	1.13	
Water Solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	No information available	
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 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**

Strong acids, Strong bases, Strong oxidizing agents.

#### **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**

##### **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. Irritating to eyes. (based on components). Causes serious eye irritation.

##### **Skin Contact**

Specific test data for the substance or mixture is not available. CAUSES SKIN IRRITATION. (based on components).

##### **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**

Redness. May cause redness and tearing of the eyes.

### **Numerical measures of toxicity**

#### **Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

15,030.00 mg/kg

#### **Unknown Acute Toxicity**

24.46236 % of the mixture consists of ingredient(s) of unknown toxicity

4.50268 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

24.46236 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

24.46236 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)



24.46236 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 24.46236 % 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	= 3000 mg/kg ( Rat ) = 3 g/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>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Irritating to eyes.
<b>respiratory or skin sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity****ecotoxicity**

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Citric Acid	-	96h LC50: = 1516 mg/L (Lepomis macrochirus)	-	72h EC50: = 120 mg/L
Tartaric acid	-	96h LC50: > 100 mg/L (Danio rerio)	-	-

**12.2. Persistence and degradability**



**Persistence and Degradability** No information available.

### 12.3. Bioaccumulative potential

#### Bioaccumulation

Chemical name	Log Pow
Citric Acid	-1.72

### 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. Other adverse effects

**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

<b>IMDG/IMO</b>	Not regulated
<b>14.1 UN-No.</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

<b>RID</b>	NOT REGULATED
<b>14.1 UN-No</b>	NOT REGULATED
<b>14.2 Proper shipping name</b>	NOT REGULATED
<b>14.3 Hazard class</b>	NOT REGULATED
<b>14.4 Packing group</b>	NOT REGULATED
<b>14.5 Environmental Hazard</b>	Not Applicable
<b>14.6 Special provisions</b>	None

<b>ADR</b>	NOT REGULATED
<b>14.1 UN-No</b>	NOT REGULATED
<b>14.2 Proper shipping name</b>	NOT REGULATED
<b>14.3 Hazard class</b>	NOT REGULATED
<b>14.4 Packing group</b>	NOT REGULATED
<b>14.5 Environmental Hazard</b>	Not Applicable
<b>14.6 Special provisions</b>	None

<b>IATA</b>	Not regulated
<b>14.1 UN-No.</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	NON REGULATED
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental Hazard</b>	Not Applicable
<b>14.6 Special Provisions</b>	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).

#### **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

<b>Section 16: OTHER INFORMATION</b>
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**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H314 - Causes severe skin burns and eye damage

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

<b>Classification procedure</b>
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**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

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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

