

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** E11925 PBV000940

**Product name** MFC Powder Blue

**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 Coglein 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

**Emergency Telephone §45 - (EC)1272/2008**

<b>Europe</b>	112
<b>Australia</b>	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 1 - (H318)
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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

P264 - Wash hands thoroughly after handling

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

#### Additional Information

This product requires tactile warnings if supplied to the general public

### 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 Reg. No
Sodium carbonate	207-838-8	497-19-8	10-30%	Eye Irrit. 2 (H319)	01-2119485498-



					19
Citric Acid	201-069-1	77-92-9	10-30%	Eye Irrit. 2 (H319)	01-2119457026-42-0020
Sodium percarbonate	239-707-6	15630-89-4	10-30%	Ox. Sol. 2 (H272) Acute Tox. 4 (H302) Eye Dam. 1 (H318)	01-2119457268-30-0009

**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. Immediate medical attention is required.
<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>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>INGESTION</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. 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.

### **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**

**Personal Precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation.

**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** 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** 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** 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. Keep out of the reach of children. Store locked up.

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

**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

Chemical Name	Eu	United Kingdom	France	Spain	Germany
Citric Acid 77-92-9	-	-	-	-	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>	-	-	-

**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.
- Hand protection** Wear suitable gloves. Impervious gloves.
- Skin and Body Protection** Wear suitable protective clothing. Long sleeved clothing.

**Environmental Exposure Controls** No information available.

## Section 9: Physical and chemical properties

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

**Physical State** solid  
**appearance** white  
**Odor** characteristic  
**color** No information available  
**odor threshold** Not Applicable

<u>Property</u>	<u>VALUES</u>	<u>Remarks Method</u>
pH	9.8 at 1%w/w	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



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. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available. May cause irritation. CAUSES SKIN IRRITATION. (based on components).
<b>INGESTION</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. HARMFUL IF SWALLOWED. (based on components).

#### Information on Toxicological Effects

<b>Symptoms</b>	Redness. Burning. MAY CAUSE BLINDNESS. May cause redness and tearing of the eyes.
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#### Numerical Measures of Toxicity

##### Acute toxicity

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

**ATEmix (oral)** 1,520.40 mg/kg

##### Unknown Acute Toxicity

- 17.44258 % of the mixture consists of ingredient(s) of unknown toxicity
- 17.44258 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 17.44258 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 17.44258 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 17.44258 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 17.44258 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component information

Chemical Name	Oral LD50	dermal LD50	Inhalation LC50
Sodium carbonate	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
Citric Acid	= 3000 mg/kg ( Rat ) = 3 g/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Sodium percarbonate	= 1034 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

#### 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.
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<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes burns. Risk of serious damage 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** Harmful to aquatic life with long lasting effects. .

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Daphnia Magna (Water Flea)
Sodium carbonate	120h EC50: = 242 mg/L (Nitzschia)	96h LC50: = 300 mg/L (Lepomis macrochirus) 96h LC50: 310 - 1220 mg/L (Pimephales promelas)	-	48h EC50: = 265 mg/L
Citric Acid	-	96h LC50: = 1516 mg/L (Lepomis macrochirus)	-	72h EC50: = 120 mg/L
Sodium percarbonate	240h EC50: = 70 mg/L (Chlorella emersonii)	96h LC50: = 70.7 mg/L (Pimephales promelas)	-	48h EC50: = 4.9 mg/L

### 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
Sodium carbonate	The substance is not PBT / vPvB PBT assessment does not apply
Citric Acid	The substance is not PBT / vPvB
Sodium percarbonate	The substance is not PBT / vPvB PBT assessment does not apply

**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

**IMDG/IMO**

14.1 UN-No	NOT REGULATED
14.2 Proper shipping name	NOT REGULATED
14.3 Hazard class	NOT REGULATED
14.4 Packing group	NOT REGULATED
14.5 Marine pollutant	Not Applicable
14.6 Special provisions	None
14.7 Transport in Bulk	No information available

**According to Annex II of MARPOL and the IBC CODE****RID**

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

**ADR**

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

#### National Regulations

##### France

**Occupational Illnesses (R-463-3, France)**

##### 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****Full text of H-Statements referred to under sections 2 and 3**

H272 - May intensify fire; oxidizer  
H290 - May be corrosive to metals  
H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

**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

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Issuing Date** 26-Jun-2018

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

**Disclaimer**

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**End of Safety Data Sheet**

