



# 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 26-Dec-2017

Revision date 31-Oct-2019

Revision number 7

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

Product code 50534

Product name Evo

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

Recommended use Coffee/Espresso machine/equipment cleaner

Uses advised against No information available

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

Supplier name Cafetto

Supplier Address Parkstraat 83 2514JG Den Haag, The Netherlands;  
9 Raffles Place, #27-00 Republic Plaza, Singapore 048619  
12 Coglein Street, Brompton SA 5007 Australia

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

Europe	112
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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

Skin Corrosion/Irritation	Category 2 - (H319)
Serious eye damage/eye irritation	Category 2 - (H319)

### 2.2. Label Elements



#### Signal Word

**WARNING**

#### hazard statements

H319 - Causes serious eye irritation

H315 - Causes skin 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

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

P233 - Keep container tightly closed

### 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
Potassium carbonate	209-529-3	584-08-7	30-60%	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	01-2119532646-36
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
Sodium carbonate	207-838-8	497-19-8	10-30%	Eye Irrit. 2 (H319)	01-2119485498-19

**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. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Skin Contact</b>	Wash skin with soap and water. 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. 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>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Self-Protection of the First Aider</b>	Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

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

**Symptoms** Prolonged contact may cause redness and irritation.

### 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.

### **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. Avoid generation of dust. Do not breathe dust.

**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. 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** Handle in accordance with good industrial hygiene and safety practice. Avoid



contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust. Ensure adequate ventilation.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray.

### **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.

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

**Risk Management Methods (RMM)** Not Applicable.

## **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** If there is a risk of contact: Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and Body Protection** Long sleeved clothing. Wear suitable protective clothing.

**Environmental Exposure Controls** No information available.

## **Section 9: Physical and chemical properties**

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

<b>Physical State</b>	Powder(s)
<b>appearance</b>	white
<b>Odor</b>	characteristic
<b>color</b>	white
<b>odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>VALUES</u></b>	<b><u>Remarks Method</u></b>
pH	10.9 (at 1%w/v)	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
<b>Upper Flammability Limit</b>	no data available	
<b>Lower Flammability Limit</b>	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: 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>viscosity</b>	no data available	None known

## 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

no data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

### 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

Excessive heat.

### 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).
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and 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.

#### **Information on Toxicological Effects**

**Symptoms** May cause redness and tearing of the eyes. Coughing and/ or wheezing.

#### **Numerical Measures of Toxicity**

##### **Acute toxicity**

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

**ATEmix (oral)** 2,009 mg/kg mg/l

##### **Unknown Acute Toxicity**

- 98.49201 % of the mixture consists of ingredient(s) of unknown toxicity
- 18.19185 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 98.49201 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 98.49201 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 98.49201 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 78.38036 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

##### **Component information**

Chemical Name	Oral LD50	dermal LD50	Inhalation LC50
Potassium carbonate	= 1870 mg/kg ( Rat )	-	-
Sodium percarbonate	= 1034 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Sodium carbonate	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h

#### **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. 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)
Potassium carbonate	-	-	-	48h LC50: = 630 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
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

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

### 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
Potassium carbonate	The substance is not PBT / vPvB
Sodium percarbonate	The substance is not PBT / vPvB PBT assessment does not apply
Sodium carbonate	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** NOT REGULATED  
**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** NOT REGULATED  
**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  
**14.1 UN-No** NOT REGULATED  
**14.2 Proper shipping name** NOT REGULATED  
**14.3 Hazard class** 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)**

Chemical Name	French RG number	Title
Potassium carbonate 584-08-7	RG 58, RG 67	-

#### **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

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H315 - Causes skin irritation

**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-Dec-2017**Revision date** 31-Oct-2019**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.****Disclaimer**

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**End of Safety Data Sheet**