



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 50752 - PBV000466

Product Name T90 Tablets

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

Recommended Use For industrial use only.

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;
160 Robinson Road, #17-01 SBF Centre, Singapore 068914

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

| | |
|--------|-----|
| Europe | 112 |
|--------|-----|

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)

2.2. Label elements



Signal word

Danger

Hazard Statements

H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

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

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves and eye/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

P310 - Immediately call a POISON CENTER or doctor/physician

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

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

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) | No data available |

| | | | | | |
|---------------------|-----------|------------|--------|---|---------------------------|
| 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 |
| Tartaric acid | 201-766-0 | 87-69-4 | 10-30% | No data available | 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

| | |
|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. If breathing has stopped, give artificial respiration. Get medical attention immediately. If symptoms persist, call a physician. |
| Skin contact | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. |
| Eye contact | 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. |
| 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 medical attention. |
| Self-protection of the first aider | 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. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. See section 8 for more information. |

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

| | |
|-----------------|--|
| Symptoms | Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. |
|-----------------|--|

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

| | |
|---------------------------------------|---------------------------|
| Unsuitable extinguishing media | No information available. |
|---------------------------------------|---------------------------|



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. Ensure adequate ventilation. Use personal protective equipment as required. 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**

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. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust.

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. 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) The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Exposure Limits**

| Chemical name | EU | United Kingdom | France | Spain | Germany |
|--------------------------|---------|---|--------|--------|--------------------------|
| Tartaric acid 87-69-4 | - | - | - | - | TWA: 2 mg/m ³ |
| Chemical name | Austria | Switzerland | Poland | Norway | Ireland |
| Tartaric acid 87-69-4 | - | STEL: 4 mg/m ³ TWA: 2 mg/m ³ | - | - | - |

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.

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</u> | <u>Method</u> |
|--------------------------|-------------------|----------------|---------------|
| pH | 9.6 at 1%w/w | 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 | Soluble in water | |
| Solubility(ies) | No data available | None known |
| Partition coefficient: n-octanol/water | Not Applicable | |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Viscosity | No data available | None known |

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

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

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. Harmful by inhalation. (based on components). |
| Eye contact | Specific test data for the substance or mixture is not available. (based on components). Causes serious eye damage. |
| 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. Harmful if swallowed. (based on components). |

Information on toxicological effects

Symptoms Redness. 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) 5,183.00 mg/kg mg/L

Unknown acute toxicity

- 15.18 % of the mixture consists of ingredient(s) of unknown toxicity
- 15.18 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 15.18 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 15.18 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 15.18 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 15.18 % 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 ³ (Rat) 2 h |
| 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

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.



| | |
|--|---|
| Serious eye damage/eye irritation | Classification based on data available for ingredients. |
| 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. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Harmful to aquatic life. .

| 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 |
| 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

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 |
| Sodium percarbonate | The substance is not PBT / vPvB PBT assessment does not apply |
| 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

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 according to Annex II of MARPOL and the IBC Code | No information available |

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 |
| 14.4 Packing Group | Not regulated |



| | |
|----------------------------------|----------------|
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | None |
| IATA | Not regulated |
| 14.1 UN-No. | Not regulated |
| 14.2 Proper Shipping Name | NON REGULATED |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | Not regulated |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | 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.

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
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory 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/

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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

