



# 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 50754 - PBV000421

Product Name LOD Red

### 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 Coglein 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**

|                                   |                     |
|-----------------------------------|---------------------|
| Skin corrosion/irritation         | Category 1 - (H314) |
| Serious eye damage/eye irritation | Category 1 - (H318) |

**2.2. Label elements**



**Signal word**

**Danger**

**Hazard Statements**

H314 - Causes severe skin burns and eye damage

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

P102 - Keep out of reach of children

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

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

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

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

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

P405 - Store locked up

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

**Additional information**

This product requires tactile warnings if supplied to the general public

This product requires child resistant fastenings 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.    |
|---------------|-------|---------|----------|---|-------------------|
| Lactic acid   | -     | 50-21-5 | 30-60%   | 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** Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
- Inhalation** Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention.
- Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.
- Eye contact** 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. Get immediate medical advice/attention.
- 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 immediate medical advice/attention.
- Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

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

- Symptoms** Burning sensation.

### 4.3. Indication of any immediate medical attention and special treatment needed

- Note to physicians** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy



sputum, and high pulse pressure.

**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**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating 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** Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**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. Should not be released into the environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

**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. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. 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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

**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 moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

**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** 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** Face protection shield.

**Hand Protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

**Environmental exposure** No information available.



controls

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   |
| <b>Appearance</b>     | Colorless Red            |
| <b>Odor</b>           | Characteristic           |
| <b>Color</b>          | No information available |
| <b>Odor Threshold</b> | Not applicable           |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks Method</u> |
|--|-------------------|-----------------------|
| pH                                     | 1.3               |                       |
| 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                       | 1.1               |                       |
| 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**

|                                   |                          |
|-----------------------------------|--------------------------|
| <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**

Exposure to air or moisture over prolonged periods.

**10.5. Incompatible materials**

Acids, Bases, Oxidizing agent.

**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. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.                                   |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.   |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.   |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. |

**Information on toxicological effects**

**Symptoms** Redness. Burning. May cause blindness. 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)** 6,972.00 mg/kg

**Unknown acute toxicity**

- 0 % of the mixture consists of ingredient(s) of unknown toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

| Chemical name | Oral LD50            | Dermal LD50         | Inhalation LC50         |
|---------------|----------------------|---------------------|-------------------------|
| Lactic acid   | = 3543 mg/kg ( Rat ) | > 2 g/kg ( Rabbit ) | > 7.94 mg/L ( Rat ) 4 h |

**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. Causes burns.
- Serious eye damage/eye irritation** Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.
- 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** No information available.





**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.

**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><u>IMDG/IMO</u></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 and the IBC Code</b> | No information available |

|                                  |                |
|----------------------------------|----------------|
| <b><u>RID</u></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           |



**ADR**  
 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**  
 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**

| Chemical name          | French RG number                       | Title |
|------------------------|--|-------|
| Lactic acid<br>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.

**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/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/)

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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

