



# MATERIAL SAFETY DATA SHEET

## GIARDIA CELISA

Section 5 Office Use Only  
Doc. No.: 5109-14.08  
GIARDIA CELISA SDS  
Issue Date: 17/10/2016  
Authorised By: DDH

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

#### 1.1. Product identifier

**Product name:** GIARDIA CELISA **Product Code:** KG2  
**Components:** Microwell Plates Substrate Solution Wash Buffer  
Positive Control Stopping Solution Plastic adhesive sheet  
Diluent Enzyme Conjugate Plastic pipettes

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

Enzyme-linked Immunosorbent Assay (ELISA) for the detection of *Giardia lamblia* cyst in faecal specimens.  
Professional use only.

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

##### Company Details

Cellabs Pty Ltd  
7/27 Dale Street  
Brookvale 2100  
NSW, Australia

##### Contact Details

Telephone: +61 2 9905 0133  
Fax: +61 2 9905 6426  
email: [admin@cellabs.com.au](mailto:admin@cellabs.com.au)

#### 1.4. Emergency telephone number

**Emergency telephone:** + 61 2 9905 0133 (office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification under 1272/2008 EC Regulation

**Wash Buffer Concentrate:** Acute tox. Oral 1, Eye irrit. 2, chronic aquatic tox 2

**Stopping Solution :** Skin corr. 1

All other components listed in Section 1.1 are not classified in CLP.

##### GHS Classification

**FOR TRANSPORT USING AIR (COURIERS): PLEASE NOTE THAT THE CONCENTRATION OF MIXTURES ARE BELOW THE CONCENTRATION LIMITS AND VOLUMES PACKAGED IN ACCEPTABLE QUANTITIES (30ML), NOT SUBJECT TO TRANSPORT REGULATIONS IN SECTION 14. THEREFORE THE KIT IS CONSIDERED NON-HAZARDOUS.**

#### 2.2. Label elements

##### Label elements: GHS



**Hazard Pictograms :**

**Signal Word :** Warning

GHS05

Danger



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**Hazard Statements :**

**Component: Wash Buffer Concentrate**  
H302 Harmful if swallowed  
H319 Causes serious eye irritation  
H411 Toxic to aquatic life with long lasting effect

**Component: Stopping solution (<10% Sulphuric Acid)**  
H290 May be corrosive to metals  
H314 Causes severe skin burns and eye damage

### Precautionary Statements:

P260 Do not breathe mist/spray  
P262 Do not get in eyes, skin or clothing  
P264 Wash skin thoroughly after handling  
P273 Avoid release to the environment  
P234 Keep only in original container  
P261 Wash skin thoroughly after handling  
P280 Wear protective gloves/clothing/eye or face protection  
P301+P330+P331 IF SWALLOWED Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P302 + 350 IF ON SKIN: Gently wash with plenty of soap and water  
P304 + P340 + P310 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY call a doctor or physician.  
P390 Absorb spillage to prevent material damage  
P405 Store in a ventilated area, tightly closed. Store at 2-8oC,  
P501 Dispose of contents/container as per local regulations.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

#### Wash Buffer (20x)

Name	Product Identifier		%	Classification GHS
Deionised water	CASNo. 7732-18-5	ECNo. 231-595-7	>99%	Not classified
Triton X	CASNo. 9002-93-1	EC No. 618-344-0	<0.88%	Acute oral tox 4, Eye irrit. 2, chronic aquatic tox 2, H302, H319, H411

#### Stopping Solution

Name	Product Identifier		%	Classification GHS
Deionised water	CASNo. 7732-18-5	ECNo. 231-595-7	97%	Not classified
Sulphuric Acid	CASNo. 7664-93-9	EC No. 231-639-5	3%	Skin corr 1A, skin irrit. 2, eye irrit, H314, H315, H319



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**Contains:** Contains no hazardous substances in reportable quantities under the CLP.

H statements are described in full in Section 16

### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical advice/attention.

**Ingestion:** Do not induce vomiting. Wash mouth with water and give plenty of water to drink immediately. Obtain medical attention if necessary and show label on container.

**Inhalation:** Irritation is unlikely to occur but in the event of discomfort, provide plenty of fresh air and if necessary seek medical assistance.

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

**Skin contact:** There may be mild irritation at the site of contact. Stopping solution is a mixture of dilute acid, there may be some burning sensation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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

**Immediate / special treatment:** Not applicable.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** No known specific hazards

#### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Do not enter fire without proper protective equipment, including respiratory protection.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

Turn leaking containers leak-side up to prevent the escape of liquid.

#### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.



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## 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** For small spills, clean up with paper/cloth, or mop up, and dispose of safely or as per local regulations. Clean area of spillage down with plenty of water.

## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of MSDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** No special requirements.

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

**Storage conditions:** Store in a cool, well ventilated area.

Store in original container between 2°C and 8°C. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** To be used as a component for the kit only. Not for any other uses.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** No specific requirement.

**Hand protection:** Protective gloves.

**Eye protection:** laboratory eye protection or in a contained fume hood with barrier.

**Skin protection:** laboratory gown or personal protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** No data available

**Melting point/range°C:** No data available.



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**Flash point°C:** No data available

**Vapour pressure:** No data available.

**pH:** 0 (stopping solution) 6.9 (wash buffer)

**Autoflammability°C:** No data available.

**Relative density:** No

### 9.2 Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** No known specific conditions to avoid

### 10.5. Incompatible materials

**Materials to avoid:** None known.

### 10.6. Hazardous decomposition products

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

	<b>Sulphuric Acid</b>
<b>Specific Concentration limits</b>	<p>Acute Toxicity LD50 – oral rat 2,140mg/mL LC50 inhalation – rat 2h 510 mg/m<sup>3</sup> , Skin corrosion/irritation: Skin- rabbit, Result: Extremely corrosive and destructive to tissue. No data available on respiratory or skin sensitisation, germ cell mutagenicity, reproductive toxicity, specific target organ toxicity (single and repeated exposure), Aspiration hazard. Carcinogenicity: The International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong inorganic-acid mists containing sulphuric acid is carcinogenic to humans (group1) IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably possible or confirmed human carcinogen by IARC.</p> <p>This information is provided based on concentrated solutions. The stopping solution contains no more than 3%. To the best of our knowledge, the mixture chemical, physical and toxicological properties have not been thoroughly investigated.</p>
	<b>Triton X</b>
	<p>Acute Toxicity LD50 oral –Rat = 1,800 mg/kg, LD50 dermal Rabbit= 8,000mg/kg. Mild eye irritation on rabbit. Serious eye damage/eye irritation Eyes = rabbit, result=moderate eye irritation in 24 h. No data available for Skin corrosion/irritation, Respiratory or skin sensitisation, Germ cell mutagenicity, Reproductive toxicity, specific target organ toxicity (single and repeated exposure), Aspiration hazard. Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>This information is provided based on concentrated solutions. The wash buffer contains no more than 1%. To the best of our knowledge, the mixture chemical, physical and toxicological properties have not been thoroughly investigated.</p>



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## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No information available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Not established

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Partition coefficient: n-octano/water. Not applicable

### 12.4. Mobility in soil

**Mobility:** No information available

### 12.5. Results of PBT and vPvB assessment

**PBT identification:**

**Stopping Solution:** This product does not meet the criteria for PBT/vPvB according to Regulation EC No. 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

### 12.6. Other adverse effects

**Other adverse effects:**

**Stopping Solution (Sulphuric Acid 2.9%):** Forms corrosive mixtures with water even if diluted. Harmful effect due to pH shift. Discharge into the environment must be avoided.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:**

**Stopping Solution:** Dispose of in accordance with current legislation and local authority regulations and in accordance with Directive on waste 2008/98/EC. Leave in original container. No mixing with other waste. Handle uncleaned product like the product itself.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### IMPORTANT FOR COURIERS/TRANSPORT

Land Transport (ADR)

**Not subject to regulation as package sizes below limited quantities described in ADR**

Sea transport (IMDG)

**Non examined Regulation**

Air Transport (IATA)

**Exempted from the marking, labeling and documentation requirements of these Regulations when shipped below limited quantities described.**

### 14.1. UN number



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UN number: N/A

## 14.2. UN proper shipping name

**Shipping name:** This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Non-hazardous for rail or road, sea and air transport

## 14.3. Transport hazard class(es)

**Not Applicable**

## 14.4. Packing group

**Not Applicable**

## 14.5. Environmental hazards

**No Information available**

## 14.6. Special precautions for user

**Special precautions:** No special precautions.

## Section 15: Regulatory information

### 15.1. Local Regulation

**Specific regulations:** No additional regulation applicable

### 15.2. International Regulation

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Classification according to Directive 67/548/EEC or 1999/45/EC  
Not Classified

## Section 16: Other information

### Other information

**Full text of H Phrases:** see Section 2.2

H302	Harmful if swallowed	H319	Causes serious eye irritation
H314	Causes severe skin burns and eye damage	H411	Toxic to aquatic life with long lasting effects.
H315	Causes skin irritation		

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.