



MATERIAL SAFETY DATA SHEET

ENTAMOEBA CELISA

Section 5 Office Use Only
Doc. No.: 5109-13.07
Entamoeba CELISA MSDS
Issue Date: 17/10/2016
Authorised By: DDH

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- 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

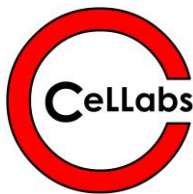
6.1. Personal precautions, protective equipment and emergency procedures

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

	Sulphuric Acid
Specific Concentration limits	<p>Acute Toxicity LD50 – oral rat 2,140mg/mL LC50 inhalation – rat 2h 510 mg/m³, 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>
	Triton X
	<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.