Celltrap Filtration Recovery Buffer

MATERIAL SAFETY DATA SHEET

Revision: 13th March 2023

hydrosense®

SECTION 1: IDENTIFICATION OF THE SUBSTANCE

1.1 Product identifier
- Product name: **Celltrap Filtration Recovery Buffer**
- Synonyms: Recovery Buffer, Recovery Solution
- CAS No.: Mixture
- Molecular Weight: Mixture
- Chemical Formula: Mixture
- Product Codes: 100157

1.2 Use of the substance or mixture

SECTION 2: IDENTIFICATION OF THE SUPPLIER

2.1 Details of the Supplier of the Safety Data Sheet

Supplier: **Albagaia limited,**
Pinnacle House,
Mill Road Industrial Estate,
Linlithgow,
EH49 7SF,
Telephone: + 44 (0) 1506 841803
Email: hydrosense@albagaia.com

SECTION 3: HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture
- The surfactants in this product can be harmful if swallowed, inhaled or absorbed through skin. They can be a skin, eye and respiratory irritant.
- R-phrases R20-22,36-38: Harmful by contact with skin, eyes and ingestion. Irritating to eyes, skin and respiratory system.
- S-phrases S26, 36-37: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. Wear suitable gloves.

3.2 Label elements
- Not applicable.

SECTION 4: COMPOSITION

4.1 Substances

Ingredient	% composition (w/v)	Hazardous
C12-15 alcohol athoxylate (7EO)	<1	Yes
Sodium alkyl benzene sulphonate	<1	Yes
Ionic surfactants	<0.4	Yes
Non-ionic surfactants	<0.2	Yes

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SECTION 5: FIRST AID MEASURES

5.1 General Information
- Remove contaminated or saturated clothing immediately. In the case of accident or unwellness seek medical advice immediately. If possible show directions for use or safety data sheet.

5.2 Following inhalation
- Remove casualty to fresh air, and loosen clothing.
- Get medical attention if effects persist.

5.3 Following skin contact
- Remove contaminated clothing and shoes.
- Wipe off excess material from skin then immediately flush skin with plenty of water.
- Get medical attention in the event of any irritation or prolonged exposure to large volumes.
- Wash clothing before reuse.
- Thoroughly clean shoes before reuse.

5.4 Following eye contact
- Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally.
- Get medical attention immediately.

5.5 Following ingestion
- Wash out mouth thoroughly with water.
- Never give anything by mouth to an unconscious person.
- Get medical attention immediately.

5.6 Self-protection of the first aider
- First aider: Pay attention to self-protection.

5.7 Most important symptoms and effects, both acute and delayed
- Symptoms and effects: Eye and skin irritation.

SECTION 6: FIREFIGHTING MEASURES

6.1 Extinguishing media
- Fire Extinguishing Media: Water spray, dry powder, foam or carbon dioxide.

6.2 Special hazards arising from the substance or mixture
- Not flammable.
- Fire: May evolve toxic fumes in a fire.
- Explosion: No unusual fire or explosion hazards noted.

6.3 Advice for fire-fighters
- Use fire extinguishing media appropriate for surrounding materials.

SECTION 7: ACCIDENTAL RELEASE MEASURES

7.1 Personal precautions, protective equipment and emergency procedures

7.1.1 For non-emergency personnel
- Avoid contact with eyes. Wear face / eye protection.

► *For more information, see "Exposure controls and personal protection" on page 5*

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7.1.2 For emergency responders
- Remove persons to safety.
- Isolate hazard area and deny entry.
- Ventilate closed spaces before entering.
- Use personal protective equipment.

► *For more information, see "Exposure controls and personal protection" on page 5*

7.2 Environmental precautions
- Do not release into the environment. If risk of water pollution occurs, notify the appropriate authorities.

7.3 Methods and material for containment and cleaning up
- Clean up using absorbent non-combustable material, place in waterproof packaging and dispose of in accordance with local regulations.
- Wash site of spillage thoroughly with water. Flush away small spillages with plenty of water.

7.3.1 For containment
- Collect in a closed container suitable for disposal.

7.3.2 For cleaning up
- Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 8: HANDLING AND STORAGE

8.1 Precautions for safe handling

8.1.1 Protective measures
- Store in a tightly closed container.
- Keep container closed when not in use.

8.1.2 Measures to prevent fire
- The product is not flammable.
- No special fire precautions are necessary.

8.1.3 Measures to prevent aerosol and dust generation
- Not applicable.

8.1.4 Measures to protect the environment
- Shafts and sewers must be protected from entry of product.

8.1.5 Advice on general occupational hygiene
- Under no circumstances eat, drink or smoke while handling this material.
- Wash hands thoroughly after working with this material.
- Contaminated clothing should be removed and washed before re-use.

8.2 Conditions for safe storage, including any incompatibilities

8.2.1 Technical measures and storage conditions
- Store in a cool, dry, ventilated area away from sources of heat or ignition.

8.2.2 Requirements for storage rooms and vessels
- Isolate from incompatible substances.

8.2.3 Further information on storage conditions
- Protect containers from physical damage.

8.3 Specific end uses
- Recommendations: Observe instructions for use.

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SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.4 Control parameters
- UK exposure limits: None set.

8.5 Exposure controls

8.5.1 Engineering controls
- Ensure adequate ventilation, especially in confined areas.
- Handle in accordance with good industrial hygiene and safety practice.

8.5.2 Personal protective equipment

8.5.2.1 Eye and face protection
- Wear eye / face protection. Use approved safety goggles or face shield.

8.5.2.2 Skin protection
- Wear eye / face protection. Use approved safety goggles or face shield.
- For prolonged and repeated skin contact use suitable protective gloves.

8.5.2.3 Respiratory protection
- Respiratory protection is not normally required due to the quantities (<1 L) being handled.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

8.6 Basic physical and chemical properties

Appearance:	Liquid, may foam when shaken.
Odour:	Pleasant.
Solubility:	Aqueous solution (very soluble).
Specific gravity:	Approx 1.

Other information unknown.

SECTION 9: STABILITY AND REACTIVITY

9.1 Reactivity
- The product is incompatible with strong acids and strong oxidising agents.

9.2 Chemical stability
- The product is chemically stable under recommended storage conditions, use, and temperature.

9.3 Possibility of hazardous reactions
- No hazardous reaction when handled and stored according to provisions.

9.4 Conditions to avoid
- No specific conditions to avoid.

9.5 Incompatible materials
- No known incompatibilities.

9.6 Hazardous decomposition products
- Does not decompose when used for intended purposes.
- Thermal decomposition or combustion may liberate carbon oxides and other toxic gasses or vapours.

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SECTION 10: TOXICOLOGICAL INFORMATION

10.1 Toxicological effects

10.1.1 Acute toxicity

Inhalation: May cause irritation to the respiratory system.
Ingestion: May cause discomfort if swallowed.

10.1.2 Skin corrosion or irritation

Skin contact: Prolonged and frequent contact may cause redness and irritation.
Eye contact: Risk of serious damage to eyes. May cause severe irritation to eyes.

SECTION 11: ECOLOGICAL INFORMATION

11.1 Toxicity

- This product is not expected to be hazardous to the environment.
- The surfactant(s) contained in this product comply with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents.

SECTION 12: DISPOSAL CONSIDERATIONS

12.1 Waste treatment methods

12.1.1 Product and packaging disposal

- Unused product should be disposed of in accordance with local regulations.
- Used product may be disposed of in accordance with local regulations.

12.1.2 Waste treatment

- Not applicable.

12.1.3 Sewage disposal

- Where washed to drain flush thoroughly with water to prevent build up in drainage, and ensure dilution.

SECTION 13: TRANSPORT INFORMATION

At the supplied concentration and volume, the product is non-hazardous for air, sea and road freight.

13.1 UN number: Not applicable.

13.2 UN proper shipping name: Not applicable.

13.3 Transport hazard class(es): Not applicable.

13.4 Packing group: Not applicable.

13.5 Environmental hazards: Not applicable.

13.6 Special precautions for user: Not applicable.

13.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

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SECTION 14: REGULATORY INFORMATION

14.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

14.1.1 EU regulations
- EU regulations: None

14.1.2 Other EU legislation
- Other EU legislation: None

14.1.3 National regulations (UK)
- National regulations (UK): None

14.2 Chemical safety assessment
- For this product a chemical safety assessment has been carried out.

SECTION 15: OTHER INFORMATION

Albagaia Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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