

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

1.1 Product identifier: Barium Ionic Strength Adjustment Buffer (ISAB) 500ml - Product Code: 30312

1.2 Relevant identified uses of the mixture: PC21: Laboratory chemicals

1.3. Details of the supplier of the safety data sheet

Company name: EDT DirectION The Old Silo Store, St. Radigund's Abbey Farm, Dover CT15 7DL UK

Tel: +44(0)1304 829960

Email: Info@edt.co.uk

1.4. Emergency telephone number - Emergency tel: +44(0)1304 829960

Section 2: Composition/information on ingredients

2.1 Classification: No Classification under CHIP or CLP.

2.2 Label: This product has no label elements

Section 3: Hazards identification

3.1 Chemical Identity: Lithium Acetate (2M)

Section 4: First-aid measures

4.1 First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2. Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Treat symptomatically: Safety Data Sheet 11/18/2016 EN (English US) 2/5

Section 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions: Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections: See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

Section 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

Section 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses. Safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Wear appropriate mask

Other information: Do not eat, drink or smoke during use.

Section 9: Physical and chemical properties***General Information**

Form:	Liquid
Colour:	Colourless
Odour:	Odourless
*pH	No Data Available
Melting point/Melting range:	No Applicable
Boiling point/Boiling range:	No Data Available
Freezing Point:	No Data Available
Flammability (solid, gas):	Non Flammable
Relative density:	No data available

Section 10: Stability and reactivity

10.1. Reactivity The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability: Stable under normal conditions

10.3. Possibility of hazardous reactions: Not established.

10.4. Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials: Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes: Carbon monoxide. Carbon dioxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation: Not classified

Serious eye damage/irritation : Not classified - Based on available data, the classification criteria are not met

Respiratory or skin sensitization: Not classified - Based on available data, the classification criteria are not met

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms. Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability: Persistence and degradability Not established.

12.3. Bioaccumulative potential: Lithium acetate (2M). Bioaccumulative potential Not established.

12.4. Mobility in soil: No additional information available

12.5. Other adverse effects

Effect on the global warming: No known effects from this product.

Other information: Avoid release to the environment.

Section 13: Disposal considerations

Waste treatment methods : Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

Section 14: Transport information

Transport Class: This product does not require a classification for transport

Section 15: Regulatory information

15.1. Not applicable

15.2. Chemical Safety assessment: A chemical safety assessment has not been carried out for the mixture by the supplier.

Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.