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MSDS

Part I:

PRODUCT IDENTITY:

Ultra-Fast Tris-Glycine SDS Electrophoresis Buffer Powder

Part II:

COMPOSITION/INFORMATION ON INGREDIENTS:

CAS:77-86-1 Tris 0.3%

CAS:151-21-3 Sodium dodecyl sulfate 1.0%

Part III:

HAZARDOUS INGREDIENTS:

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Part IV:

FIRST AID MEASURES:

- Description of first aid measures
- General information No special measures required.
- After inhalation Supply fresh air; consult doctor in case of complaints.
- After skin contact Generally the product does not irritate the skin.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Induce vomiting and call for medical help.
- Information for doctor
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

Part V:

FIRE FIGHTING MEASURES:

- Extinguishing media
- Suitable extinguishing agents CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

Part VI:**ACCIDENTAL RELEASE MEASURES:**

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections No dangerous substances are released.

Part VII:**Handling and storage**

- Handling
- Precautions for safe handling No special measures required.
No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and receptacles: According to product specification
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

Part VIII:**EXPOSURE CONTROLS/PPE:**

Follow good laboratory practice when handling this product. The following precautionary measures are recommended:

- Eye protection: Laboratory safety goggles.
- Hands: Chemical resistant gloves.

- Skin: Laboratory protective clothing.
- Respiratory: Fume hood or in areas with adequate ventilations.

Part IX:**PHYSICAL AND CHEMICAL PROPERTIES:**

- Information on basic physical and chemical properties
- General Information
- Appearance:

Form: Liquid.

Colour: Transparent

- Odour: None
- pH-value at 20 °C: 7.0
- Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

- Flash point: Not applicable\
- Ignition temperature: 400°C
- Self igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Vapour pressure at 20 °C: 23 hPa
- Solubility in / Miscibility with Water:

Fully miscible

- Solvent content:

Organic solvents: 0%

Water: 20%

Solids content: 80%

- Other information No further relevant information available.

Part X:**CHEMICAL STABILITY AND REACTIVITY:**

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

Part XI:**TOXICOLOGICAL INFORMATION:**

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU

Part XII:**ECOLOGICAL INFORMATION:**

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Generally not hazardous for water.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

Part XIII:**DISPOSAL CONSIDERATIONS:**

- Waste treatment methods
- Recommendation

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- ## Part XIV:

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation ":	-

Part XV:

Store at room temperature.

The above information is believed to be correct but only used as a guide for experienced personnel. ABclonal Biotech Ltd. shall not be liable for any damage resulting from the handling or from contact with the above product.

For research use only, not for diagnostic or therapeutic use.