

MATERIAL SAFETY DATA SHEET

Version: 1 Date: 01/12/2019

Product: **Extraction buffer**Cat. Nº.: **ASY3031** (RS-5855)**1. PRODUCT AND COMPANY INFORMATION**

Hygiena LLC

Emergency call: (+1) 805-388-8007

PRODUCT USE: Extraction of food samples**SYNONYMS:** Not available.**2. COMPOSITION, INGREDIENTS INFORMATION****Extraction Buffer****A. Identification:**

Product Name: Extraction buffer.

Chemical Family: Mixture of salts and detergents in distilled water and sodium azide <1% as preservative.

Product use: Laboratory reagent for diagnostic or research use.

CAS-No	EC-No	Index-No	Concentration
Tris(hydroxymethyl) aminomethane			
77-86-1	201-064-4	-----	0.1-<5 wt%
Sodium Chloride			
7667-14-5	231-598-3	-----	1-<5 wt%
Bovine Serum Albumin			
9048-46-8		-----	0.1-<5 wt%
Polyoxyethylene sorbitan monolaurate (Tween 20)			
9005-64-5			0.1-<3 wt%
Sodium Azide			
26628-22-8			<1% vol/vol
Water distilled			
7732-18-5			>80 wt%

3. HAZARDS IDENTIFICATION**A.-Toxicity Hazards:**

Hazardous Ingredients: Sodium azide

Approximate concentration: <1% vol/vol

- Classification according to regulation (EC) No 1272/2008

Acute Tox.2

Aquatic Acute 1

Aquatic Chronic 1; Acute Tox 1

STOT RE 2;

H300

EUH032

H310

H400

H410

H373

M (Acute):1

Harmful to aquatic life with long lasting effects according to regulation (EC) No 1272/2008 and its amendments

The product does not need to be labelled in accordance with EC directives or respective national law

4. FIRST AID MEASURES

Skin contact: Wash with soap and water. Obtain medical attention if irritation occurs.

Eyes contact: Flush with copious amount of water.

Obtain medical attention if irritation occurs.

Inhalation: Remove to fresh air and keep at rest in a comfortable position for breathing

Ingestion: Drink as much water as possible. Obtain medical attention if any gastric disorder appears.

5. FIRE AND EXPLOSION HAZARD DATA

Extinguishing media: Choose suitable extinguishing media according to the environment

Means of extinction: Not applicable

Special hazards arising from the substance or mixture:

Possibility to small amounts of harmful gases or vapours

Advice for fire-fighters: Special protective equipment for fire-fighters: No special protective equipment needed.

6. ACCIDENTAL RELEASE MEASURES

Personal protective equipment: We recommend wearing adequate laboratory clothes

Leak and spill procedures: Clean up spill area with water and disinfect

7. HANDLING AND STORAGE

Store conditions: The reagent must be stored between 2°C and 25°C

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters: International OEL values: Sodium azide 0.1mg/m³(8h); 0.3mg/m³(15 min)

Exposure controls: Personal protective equipment is not required. Any case, we recommend wearing adequate laboratory clothes.

Engineering controls: Ensure adequate ventilation.

Respiratory protection: None required.

Hand protection: Wear disposable gloves while handling the reagent. Wash hands after use.

Eye protection: Wear safety glasses with side shields.

Skin and body protection: Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Boiling point: 100°C

Odour and appearance: Clear solution with no odour

Solubility in water at 20°C: 120 g/l

Freezing point: 0°C

pH: 7,0 – 7,4

Reagent soluble

10. STABILITY AND REACTIVITY

Stability: Stable at 4°C-25°C

Incompatible materials: When in contact with acids, sodium azide forms highly toxic gas. Sodium azide reacts with metals to form explosive metal azides.

11. TOXICOLOGICAL INFORMATION

Data not available

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Quantitative data on the toxicity for this product are not available.

Fish toxicity of sodium azide: *L. macrochirus* LC50 0.7mg/l/96 h. *Daphia* toxicity of sodium azide: *Daphia pulex* EC 4.2mg/l/48h.

13. DISPOSAL CONSIDERATIONS

Observe local, state and federal rules for proper disposal. If not officially differently specified, packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

The transport of this product is not regulated by IMO/IMDG, ADR/RID or IATA/ICAO as a hazardous material or dangerous goods

Transport in bulk according to Annex II MARPOL 73/78 and the IBC code: Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Not data available.

15.2 Chemical safety assessment: Not required.



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16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hygiena and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.hygiena.com for additional terms and conditions of sale.