

SAFETY DATA SHEET

SECTION 1 --- IDENTIFICATION

Product Name: Laboratory Proficiency Sample Residual Starch
Common Synonyms: Residual Starch Proficiency sample
Part numbers: LPS-RS
Product Use: Laboratory Reagent, Laboratory proficiency sample
Restrictions: Not for human consumption. Intended for laboratory use only.

Manufacturer/Supplier:
Bion Analytical
P.O. Box 85252
Sioux Falls, SD 57118
TEL: (605) 838-6679

In Case of EMERGENCY Call INFOTRAC: (800) 535-5053

SECTION 2 --- HAZARD IDENTIFICATION

No OSHA or GHS hazards present with this product. Non-hazardous under normal use.

SECTION 3 --- COMPOSITION/INFORMATION ON INGREDIENTS

Not a hazardous mixture according to OSHA.

| <u>Component</u> | <u>CAS No.</u> | <u>Concentration %</u> |
|-------------------------|----------------|------------------------|
| Water | 7732-18-5 | Balance |
| Starch | 9005-25-8 | 0-10% (w/w) |
| Proprietary Ingredients | Trade Secret | 0-30% (w/w) |

SECTION 4 --- FIRST AID MEASURES

Emergency and First Aid Procedures

INGESTION: Rinse mouth with water. If conscious give 2-4 cups of milk or water. Seek medical advice if needed.
INHALATION: Supply fresh air. If required provide artificial respiration. Seek medical advice if needed.
SKIN CONTACT: Wash with water and soap and rinse thoroughly. Seek medical advice if needed.
EYE CONTACT: Rinse opened eye for several minutes under running water. Seek medical advice.

SECTION 5 --- FIRE-FIGHTING MEASURES

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.
Toxic Gases Produced: Carbon monoxide and carbon dioxide
Protective equipment: Wear self-contained respirator if necessary. Wear impervious suit.

SECTION 6 --- ACCIDENTAL RELEASE MEASURES

Steps to be Taken in the Event of a Spill or Discharge

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Dispose of according to federal, state and local regulations.

SECTION 7 --- HANDLING AND STORAGE

Storage Requirements

Keep container tightly closed. Store in a cool, dry, well-ventilated area. Wash thoroughly after use. Store between 2-8 °C.

SECTION 8 --- EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (starch): TWA 10 mg/m³ (mist, dust)
Eye/Face Protection: Safety glasses and/or goggles

SAFETY DATA SHEET

Protective Clothing: Coat & Apron
Protective Gloves: Use chemically resistant gloves
Ventilation Requirements: Use in well ventilated area

SECTION 9 --- PHYSICAL and CHEMICAL PROPERTIES

Appearance and odor: Clear, colorless liquid
Boiling Point: Not determined
Melting Point: Not determined
Specific Gravity: ~1 (Water = 1)
Physical State: Liquid
Vapor Pressure (mmHg): Not determined
Vapor Density (air=1): 2.1
Evaporation Rate: N/A
Flash Point (Closed Cup): not determined
Auto ignition Temperature: not determined
Flammable Limits: Upper - not determined
Lower - not determined

SECTION 10 --- STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: No data
Incompatibles: Oxidizing agents
Decomposition Products: Carbon monoxide and carbon dioxide

SECTION 11 --- TOXICOLOGICAL INFORMATION

Not hazardous under normal use.

Acute toxicity: LD₅₀, Oral, Rat: (Starch) 6,600 mg/kg

Not all chemical, physical and toxicological properties have been thoroughly investigated.

SECTION 12 --- ECOLOGICAL INFORMATION

No ecological information available for this product.

SECTION 13 --- DISPOSAL CONSIDERATIONS

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION 14 --- TRANSPORT INFORMATION

Domestic (D.O.T.)

This product is not classified as a dangerous good.

SECTION 15 --- REGULATORY INFORMATION

This product does not contain any chemical known to the State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 --- OTHER INFORMATION

Revision Date: 5/15/2015

N/A =Not Applicable or Not Available
N/E = Not Established

SAFETY DATA SHEET

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated there under (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

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