

# SAFETY DATA SHEET

## SECTION 1 --- IDENTIFICATION

Product Name: Residual Starch Reference Material  
Common Synonyms: RS RM  
Part numbers: LQC-RS-R  
Product Use: Laboratory Reagent, Analytical standards/reference material.  
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/m<sup>3</sup> (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: LD<sub>50</sub>, 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.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Bion Analytical be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Bion Analytical has been advised of the possibility of such damages.*