

# MATERIAL SAFETY DATA SHEET

## Purigen

### Section I: MANUFACTURER'S NAME, ADDRESS, AND CONTACT INFORMATION

Seachem Laboratories, Inc.  
1000 Seachem Drive  
Madison, GA 30650

Emergency Telephone Number: 706-343-6060  
Telephone Number for Information: 706-343-6060  
Date Prepared: 30 June 2006

### SECTION II: CHEMICAL INGREDIENTS/IDENTITY INFORMATION

Components (Chemical Identity; Common Names (s))	OSHA PEL	ACGIH TLV	Other Limits
Proprietary synthetic macroporous polymer resin	NA	NA	NA

### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O = 1)	1.2 – 1.3
Vapor Pressure (mm Hg)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Not soluble	Appearance and Odor	Small off-white beads

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA
Flammable Limits	NA
LEL	NA
UEL	NA
Extinguishing Media	Water spray, dry chemical, carbon dioxide
Special Fire Fighting Procedures	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece, operated in the pressure demand or other positive pressure mode.
Unusual Fire and Explosion Hazards	Toxic fumes may be generated when material is exposed to fire.

### SECTION V: REACTIVITY DATA

Stability	Stable under normal conditions of use
-----------	---------------------------------------

Conditions to Avoid	Incompatibilities, temperatures above 200 °C
Incompatibility (Materials to Avoid)	Strong oxidizers
Hazardous Decomposition or Byproducts	Thermal decomposition may yield monomer vapors
Hazardous Polymerization	Will Not Occur
Polymerization Conditions to Avoid	NA

## SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry: skin contact, eye contact
Health Hazards (Acute): slight irritation
Health Hazards (Chronic): NA
Carcinogenicity: NA
Signs and Symptoms of Exposure: slight irritation of skin or eyes
Medical Conditions Generally Aggravated by Exposure: NA
Emergency and First Aid Procedures: Inhalation – wash thoroughly with running water.

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: NA
Waste Disposal Method: Dispose in accordance with current local authority regulations.
Precautions to Be Taken in Handling and Storing: If beads are stored in glass, wet beads can expand and cause glass to break.
Other Precautions: NA

## SECTION VIII: CONTROL MEASURES

Respiratory Protection	NA
Ventilation	NA
Protective Gloves	Recommended
Eye Protection	Recommended
Other Protective Clothing or Equipment	None
Work/Hygienic Practices	Good housekeeping practices

## ABBREVIATIONS

ACGIH: The American Conference of Governmental Industrial Hygienists, Inc.

LEL: Lower Explosive Limit (or Lower Flammable Limit)

NA: Not Applicable

ND: Not Determined

NTP: The National Toxicology Program

OSHA: The Occupational Health and Safety Administration

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

UEL: Upper Explosive Limit (or Upper Flammable Limit)

PAGE

PAGE 1