

# SAFETY DATA SHEET

## Actinide Resin SDS - Bulk and Cartridge

Revision Date: 01-Feb-18

### Section 1: Chemical Product and Company Identification

**Product Name** Actinide Resin

**Product Number(s):** AC1ML-R01T-S, AC1ML-R50T-S, AC-B01-A, AC-B01-F, AC-B01-S, AC-B01-XAD, AC-B100-A, AC-B200-A, AC-B25-A, AC-B50-A, AC-R01-S, AC-R01T-S, AC-R25-S, AC-R50-S, AC-R50T-S

**Product Synonym(s):** Actinide Resin, bulk; Actinide Resin Cartridge

**Identified Uses:** Laboratory chemicals, manufacture of substances

**Manufacturer:** Eichrom Technologies LLC  
1955 University Lane  
Lisle, Illinois 60532

**General Information:** (8-5 CST M-F)  
800-422-6693 (in USA)  
630-963-0320

**24 Hour Emergency Number (US/Canada):** 1-800-255-3924 **CHEMTEL Contract #:** MIS9554039

**24 Hour International Access Number:** 1-813-248-0585

**Country Specific Emergency Numbers:**

**Australia:** 1-300-954-583      **India:** 000-800-100-4086  
**Brazil:** 0-800-591-6042      **Mexico:** 1-800-99-731

### Section 2: Hazard(s) Identification

#### 2.1 Classification of the substance or mixture

GHS Classification of substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

Skin Irritant

Eye Irritant

Respiratory Tract Irritation

#### 2.2 GHS Label elements, including precautionary statements

**Pictogram:**



**Signal Word** Warning

**Hazard Statement(s):**

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

**Precautionary Statement(s):**

<b>Prevention</b>	P261	Avoid breathing dust and vapors.
	P264	Wash hands thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves, clothing, and eye protection.
	P284	Wear respiratory protection.
<b>Response</b>	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P304+P312	IF INHALED: Call a POISON CONTROL CENTER or doctor if you feel unwell.
	P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CONTROL CENTER or doctor if you feel unwell.
	P332+P313	If skin irritation occurs, seek medical attention.
	P337+P313	If eye irritation persists, get medical attention.
	P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
	P362+P364	Take off contaminated clothing and wash before reuse.
<b>Storage</b>	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.

2.3 Hazards Not Otherwise Classified (HNOC) or not covered by GHS:

### Section 3: Composition / Information on Ingredients

Component	CAS_Number	Percentage Range
Nonionic Acrylic Ester Polymer	Trade Secret	60%
DIPEX® Extractant	180572-58-1	40%

### Section 4: First-aid Measures

General Advice	The hazardous properties of this material have not been established. Treat material as if it were toxic when evaluating first aid requirements.
Ingestion	IF SWALLOWED: Call a POISON CONTROL CENTER or doctor if you feel unwell.
Skin Contact	Wash immediately with soap and copious amounts of water. Remove and wash contaminated clothing promptly. If irritation develops, seek medical attention.
Eye Contact	Irrigate immediately with water for 15 minutes. Mechanical irritation is possible; seek medical attention.
Inhalation	Remove to fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Seek medical attention.

### Section 5: Firefighting Measures

Extinguishing Media	Foam, CO2, Dry Chemical
Fire and Explosion Hazards	Highly toxic and irritating fumes may be released and extinguishing water runoff may be toxic. Polymer does not support flame.
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.

### Section 6: Accidental Release Measures

Personal precautions	Surface may be slippery. Use proper personal protect equipment (specified in section 8)
Methods and materials for containment and clean-up	Ventilate area and wash spill site after material pickup is complete. Sweep up material and transfer to a suitable container for disposal.
Reference to other sections	For disposal see section 13.

### Section 7: Handling and Storage

Conditions for safe handling	Use mechanical exhaust if dust is formed.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory.
Specific End Use(s)	Apart from the uses mentioned in section 1 no other specific uses are stipulated.

### Section 8: Exposure Controls / Personal Protection

Control Parameters	Contains no substances with occupational exposure limit values.
Exposure Controls	Mechanical exhaust is required.
Eye protection	Wear safety glasses.
Body protection	Wear protective gloves and clothing.
Respiratory protection	Use NIOSH/MSHA approved respirator when handling material outside of mechanical exhaust. An air-purifying respirator with an organic vapor cartridge or canister may be permissible.

**Section 9: Physical Properties**

Information on basic physical and chemical properties

Appearance:	Powder Off-white, spherical beads	Explosion Limits (Upper/Lower):	Not Established
Odor:	low to none	Flash Point:	Not Established
Odor Threshold:	Not Established	Flammability:	Not Established
pH:	Not Relevant	AutoIgnition Temperature:	Not Established
Melting Point:	Not Established	Decomposition Temperature	Not Established
Boiling Point:	Not Established	VaporPressure:	Not Applicable
Relative Density:	0.35 g/mL at 25°C	VaporDensity:	Not Established
Solubility:	Insoluble in water	Evaporation Rate:	Not Established
Partition Coefficient:	Not Established		
Viscosity:	Not Applicable		

**Section 10: Stability and Reactivity**

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical Stability	Stable under normal handling and storage conditions.
Conditions to Avoid	No relevant information available.
Materials to Avoid	Contact with strong oxidizers will degrade material.
Hazardous decomposition Products	Possible combustion products include phosphorous oxides, phosphoric acid, carbon dioxide, and carbon monoxide; additional unidentified organic compounds may also be produced.

**Section 11: Toxicology Information**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Acute Toxicity	
Oral Effects	Polymer, Oral LD50 > 5,000 mg/kg (rat) Extractant, Oral LD50 has not been determined.
Inhalation Effects	No data available.
Dermal Effects	Polymer, Dermal LD50 > 5,000 mg/kg (rabbit) Extractant, Dermal LD50 has not been determined.
Skin corrosion/irritation	No test data available. Slight irritation expected.
Serious eye damage/irritation	No test data available. Slight irritation expected.
Respiratory or skin sensitization	No data available regarding respiratory or skin sensitization effects of this product.
Germ Cell Mutagenicity	No data available regarding mutagenic effects of this product.
Carcinogenicity	No specific data available. Minimize direct exposure to material.
Reproductive Toxicity	No data available regarding reproductive effects of this product.
Specific Target Organ Toxicity	
Single Exposure	No data available regarding specific target organ toxicity single exposure.
Repeated Exposure	No data available regarding specific target organ toxicity repeated exposure.
Aspiration Hazard	No data available regarding aspiration hazards associated with this product.

**Section 12: Ecological Information**

No data are available on the adverse effects of this material on the environment.

**Section 13: Disposal Considerations**

General	Avoid disposal to sewers and local waterways. Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Bury resin in licensed landfill or burn in approved incinerator equipped with an afterburner and scrubber according to local, state, and federal regulations.
Used:	For resin contaminated with hazardous materials, dispose of mixture as hazardous material according to local, state, and federal regulations.

**Section 14: Transport Information**

Air Transport:	Not Hazardous per IATA 2014
Ground Transport:	Not D.O.T. Hazardous
Water Transport:	Not Hazardous per IMDG 2012.

**Section 15: Regulatory Information**

US Federal Regulations	Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption.
------------------------	---

**Section 16: Other Information**

Revision	Updated to GHS SDS format, including classification 1-Feb-2018: Update Emergency Phone Numbers
SDS Prepared By:	Eichrom Technologies LLC

The information set forth herein has been gathered from standard reference materials and is to the best knowledge and belief of Eichrom Technologies LLC, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and does not suggest or guarantee that the hazard precautions or procedures mentioned are the only ones that exist. Eichrom Technologies LLC makes no warranties, express or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.