

**SAFETY DATA SHEET**  
**LN Resin SDS - Bulk and Cartridge**

Revision Date: 01-Feb-18

**Section 1: Chemical Product and Company Identification**

**Product Name** LN Resin  
**Product Number(s):** LN-B01-A, LN-B01-F, LN-B01-S, LN-B100-A, LN-B200-A, LN-B25-A, LN-B25-S, LN-B50-A, LN-B50-S, LN-R01-S, LN-R50-S  
**Product Synonym(s):** LN Resin  
**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)

Acute toxicity, Dermal (Category 4)

Skin corrosion/irritation

Serious eye damage (irreversible effects)

Respiratory Tract Irritation

Acute hazards to the aquatic environment (Category 3)

Chronic hazards to the aquatic environment (Category 3)

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

**Pictogram:**



**Signal Word** Danger

**Hazard Statement(s):**

H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

**Precautionary Statement(s):**

<b>Prevention</b>	P260	Do not breathe dust or vapors.
	P264	Wash hands thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves, clothing, and eye protection.
<b>Response</b>	P301+P330+P331	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
	P303+P361+P353	IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin (or hair) with water.
	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.
P310	IMMEDIATELY call a POISON CONTROL CENTER or doctor.	

	P363	Wash contaminated clothing before reuse.
Storage	P403+P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
Disposal	P501	Dispose of contents/container in accordance with federal, state, and local regulations.

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%
Bis(2-ethylhexyl) phosphate	298-07-7	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, do not induce vomiting; seek medical advice immediately and show this container or label.
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.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.
Indication of any immediate medical attention and special treatment needed	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### Section 5: Firefighting Measures

Extinguishing Media	Foam, CO2, Dry Chemical
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.
Special Hazards	Possible combustion products include phosphorous oxides, phosphoric acid, carbon dioxide, and carbon monoxide, in addition to unidentified organic compounds.

### Section 6: Accidental Release Measures

Personal precautions	Avoid creating and breathing dust. See section 8. Surface may be slippery. Use proper personal protect equipment (specified in section 8)
Methods and materials for containment and clean-up	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	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use mechanical exhaust if dust is formed.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory. Keep away from strong oxidizers.
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	Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Mechanical exhaust is required.
Eye Protection	Wear safety goggles and/or face shield.
Skin Protection	Wear impervious gloves and clean body-covering 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. Do not breathe dust.

**Section 9: Physical Properties**

Information on basic physical and chemical properties

Appearance:	Powder Off-white, spherical beads	Explosion Limits (Upper/Lower):	Not Established
Odor:		Flash Point:	Not Established
Odor Threshold:	Not Established	Flammability:	Not Established
pH:	Not Relevant	Autolgnition Temperature:	Not Established
Melting Point:	Not Established	Decomposition Temperature	Not Established
Boiling Point:	Not Established	VaporPressure:	Not Established
Relative Density:	0.38 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.
Hazardous Reactions	No hazardous reactions are expected in normal laboratory use. Hazardous polymerization will not occur.
Conditions to Avoid	No relevant information available.
Materials to Avoid	Contact with strong oxidizers will degrade material.
Hazardous decomposition Products	Possible combustion products include carbon monoxide, carbon dioxide, and phosphorous oxides.

**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 = 5,236 mg/kg (rat).
Interperitoneal Inhalation Effects	Extractant, Interperitoneal LD50 is 50 mg/kg (rat). No data available for acute inhalation effects of this product.
Dermal Effects	Polymer, Dermal LD50 > 5,000 mg/kg (rabbit). Extractant, Dermal LD50 is 1,325 mg/kg (rabbit).
Skin corrosion/irritation	Extractant is Skin Corrosive (Rabbit, 24 hr).
Serious eye damage/irritation	Extractant, Eye - Corrosive (Rabbit, 24 hr).
Respiratory or skin sensitization	No data available regarding respiratory sensitization effects of this product.

Germ Cell Mutagenicity	No data available regarding mutagenic effects of this product.
Carcinogenicity	No data available regarding carcinogenic effects of this product.
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 the aspiration hazard of this product.

## Section 12: Ecological Information

	*The product has not been tested. The statement has been derived from the properties of individual components using an additivity method.
Aquatic Toxicity	
Acute Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 48-54 mg/l - 96.0 h for bis(2-ethylhexyl) phosphate
Acute Toxicity to aquatic invertebrates	LC50 - Daphnia magna (Water flea) - >42 mg/l - 48 h for bis(2-ethylhexyl) phosphate
Acute toxicity to aquatic plants	EC50 - Chlorella emersonii - 50-100 mg/l - 48 h for bis(2-ethylhexyl) phosphate
Persistence and degradability	No data are available for persistence and degradability.
Bioaccumulative potential	No data are available for bioaccumulative potential.
Mobility in Soil	No data are available for mobility in soil.
PBT/vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

## 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.
US State Regulations	This product contains no listed substances known to the state of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act)

## Section 16: Other Information

Revision	Replaces 29-May-15 revision.
	Minor Format Changes
	Add CAS Numbers for components.
	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.