

# SAFETY DATA SHEET

Pb Resin SDS - Bulk and Cartridge

Revision Date: 28-May-15

## Section 1: Chemical Product and Company Identification

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

**CHEMTREC: 800-424-9300**

## Section 2: Hazard(s) Identification



**GHS Signal Word:** **Warning**  
**GHS Classification of substance or mixture:** Acute toxicity, Oral (Category 4)  
Acute toxicity, Dermal (Category 4)  
Acute toxicity, Inhalation (Category 4)  
Skin Irritant  
Eye Irritant  
Respiratory Tract Irritation  
**Hazard Statement(s):** H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H332 Harmful if inhaled  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

### Prevention:

P261 Avoid breathing dust and vapors.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves, clothing, and eye protection.

### Response:

P301/P312 IF SWALLOWED: Call a POISON CONTROL CENTER or doctor if you feel unwell.  
P302/P352 IF ON SKIN: Wash with plenty of soap and 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.  
P330 Rinse mouth.  
P332/P313 If skin irritation occurs, seek medical attention.  
P337/P313 If eye irritation persists, get medical attention.  
P362 Take off contaminated clothing and wash 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.

**Section 3: Composition / Information on Ingredients**

| Component                                 | CAS_Number  | Percentage Range |
|---|-------------|------------------|
| Nonionic Acrylic Ester Polymer            |             | 60%              |
| Isodecyl Alcohol                          | 68526-85-2  | 24%              |
| 4,4'(5') di-t-butylcyclohexane-18-crown-6 | 223719-29-7 | 16%              |

**Section 4: First-aid Measures**

|  |   |
|--|---|
| General Advice   | Symptoms of poisoning may occur after several hours; therefore medical observation is recommended for at least 48 hours after exposure.   |
| Ingestion  | Contact local poison control center   |
| 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   |
| Special Hazards            | Possible combustion products include carbon dioxide and carbon monoxide   |
| Fire and Explosion Hazards | Polymer does not support flame.<br>Highly toxic and irritating fumes may be released and extinguishing water runoff may be toxic. |
| Protective Equipment       | Wear positive pressure self-contained breathing apparatus and full personal protective equipment.                                 |

**Section 6: Accidental Release Measures**

|  |  |
|--|--|
| Personal precautions                               | Use proper personal protect equipment (specified in section 8)<br>Surface may be slippery. |
| Environmental Precautions                          | Avoid release to the environment   |
| Methods and materials for containment and clean-up | Ventilate area and wash spill site after material pickup is complete.                      |
| Containment Cleanup                                | 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**

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

**Section 8: Exposure Controls / Personal Protection**

|                        |  |
|------------------------|--|
| Engineering controls   | Mechanical exhaust is required.  |
| 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.<br>Do not eat, drink or smoke when using this product                                      |
| Eye protection         | Wear safety glasses.   |
| 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.<br>Do not breathe dust. |

**Section 9: Physical Properties**

## Information on basic physical and chemical properties

|                        |                                      |                                    |                 |
|------------------------|--------------------------------------|------------------------------------|-----------------|
| Appearance:            | Powder<br>Off-white, spherical beads | Explosion Limits<br>(Upper/Lower): | Not Established |
| Odor:                  | Alcohol                              | Flash Point:                       | >94°C           |
| Odor Threshold:        | Not Determined                       | Flammability:                      | Not Established |
| pH:                    | Not Relevant                         | AutoIgnition Temperature:          | Not Established |
| Melting Point:         | Not Established                      | Decomposition Temperature:         | Not Established |
| Boiling Point:         | Not Established                      |                                    |                 |
| Relative Density:      | 0.35 g/mL at 25°C                    | VaporPressure:                     | Not Established |
| Solubility:            | Insoluble in water                   | VaporDensity:                      | Not Established |
| Partition Coefficient: | Not Established                      | Evaporation Rate:                  | 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              | Reacts with strong oxidizing agents.                                     |
| 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 and carbon dioxide. |

**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                      | Isodecyl Alcohol has a low order of toxicity.<br>Polymer, Oral LD50 > 5,000 mg/kg (rat).<br>LD50 for cyclocrown has not been determined.   |
| Inhalation Effects                | No data available for acute inhalation effects of other components of this product.<br>Isodecyl Alcohol has a low order of toxicity.   |
| Dermal Effects                    | Polymer, Dermal LD50 > 5,000 mg/kg (rabbit)<br>Dermal LD50 for cyclocrown has not been determined. Cyclocrown is irritating to mucous membranes  |
| Skin corrosion/irritation         | Irritant to skin and mucous membranes.   |
| Serious eye damage/irritation     | Irritant to eye.   |
| 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.   |
| Other                             | The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest revision available on 9-Mar-2012:Harmful/Irritant |

**Section 12: Ecological Information**

|                               |   |
|-------------------------------|---|
| Aquatic Toxicity              | *The product has not been tested. The statement has been derived from the properties of individual components using an additivity method.             |
| 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 | 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**

|                  |   |
|------------------|---|
| SDS Prepared By: | Eichrom Technologies LLC                            |
| Revision         | Updated to GHS SDS format, including classification |

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.