

SAFETY DATA SHEET

Nickel Resin SDS - Bulk and Cartridge

Revision Date: 01-Feb-18

Section 1: Chemical Product and Company Identification

Product Name Nickel Resin
Product Number(s): NI-B01-A, NI-B100-A, NI-B25-A, NI-B50-A, NI-R01-A, NI-R50-A
Product Synonym(s): Nickel Resin bottle; 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)
 Flammable Solid, See "purple book" for flammable
 Acute toxicity, Oral (Category 4)
 Skin Irritant
 Eye Irritant
 Respiratory Tract Irritation

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word

Warning

Hazard Statement(s):

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| H228 | Flammable Solid |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |

Precautionary Statement(s):

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| Prevention | P210 | Keep away from heat, open flames, and hot surfaces. - No smoking |
| | P261 | Avoid breathing dust. |
| | 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 | 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. |
| | 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. |
| | P362+P364 | Take off contaminated clothing and wash before reuse. |

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| 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 | 89% |
| Dimethylglyoxime | 94-45-4 | 11% |

Section 4: First-aid Measures

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| Ingestion | Rinse mouth and 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. |
| 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

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| 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

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| Personal Precautions | Use proper personal protect equipment (specified in section 8) Avoid breathing vapors, mist, or gas. See section 8. Surface may be slippery. |
| Environmental Precautions | Avoid release to the environment. |
| Methods and materials for containment and clean-up | Collect Spillage. 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

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| 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. |
| Specific End Use(s) | Apart from the uses mentioned in section 1 no other specific uses are stipulated. |

Section 8: Exposure Controls / Personal Protection

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| Control Parameters | Contains no substances with occupational exposure limit values. |
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| Exposure Controls | Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Mechanical exhaust is required. 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. Do not breathe dust. |

Section 9: Physical Properties

Information on basic physical and chemical properties

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| 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: | 0.25 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

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| Reactivity | No hazardous reactions if stored and handled as indicated. |
| Chemical Stability | Stable under normal handling and storage conditions. |
| Conditions to Avoid | Avoid all sources of ignition; heat, sparks, open flame. Avoid electro-static discharge. |
| Materials to Avoid | Contact with strong oxidizers will degrade material. |
| Hazardous decomposition Products | No hazardous decomposition products if stored and handled as indicated. See also section 5. Possible combustion products include carbon monoxide, carbon dioxide, and nitrogen oxides. |

Section 11: Toxicology Information

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| Other | Dimethylglyoxime, RTECS: EK2975000 |
| Acute Toxicity | |
| Oral Effects | Dimethylglyoxime, Oral LDLO is 250 mg/kg (rat). |
| Inhalation Effects | Inhalation LC50 has not been determined. |
| Dermal Effects | Dermal LD50 has not been determined. |
| Skin corrosion/irritation | Prolonged exposure will cause skin irritation. |
| Serious eye damage/irritation | Solid or dust may cause irritation or corneal injury due to mechanical action. |
| Respiratory or skin sensitization | No data available regarding respiratory sensitization effects of this product. |
| Germ Cell Mutagenicity | |
| Carcinogenicity | Dimethylglyoxime - Hamster, Embryo, Morphological transformation. |

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| | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| 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

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| 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

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| 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

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| Ground Transport: | Not D.O.T. Hazardous |
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Section 15: Regulatory Information

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| US Federal Regulations | Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption. |
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Section 16: Other Information

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Revision Date: 01-Feb-18

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| Revision | 18-Sep-15: Added Transport Information |
| | 2-Jun-15: Fixed Typos - "open flames" in P210, ingestion response in First Aid, and Inhalation Effects in Toxicology Information. |
| | 22-May-15: Updated to GHS SDS format, including classification |
| | 1-Feb-2018: Update Emergency Phone Numbers |
| SDS Prepared By: | Eichrom Technologies LLC |

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