

SAFETY DATA SHEET
Nickel Resin SDS - column

Revision Date: 01-Feb-18

Section 1: Chemical Product and Company Identification

Product Name Nickel Resin
Product Number(s): NI5-C01-A, NI5-C20-A, NI-C01-A, NI-C20-A, NI-C50-A
Product Synonym(s): Nickel Resin Column, 2 mL
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 highly flammable

Acute toxicity, Oral (Category 4)

Skin Irritant

Eye Irritant

Respiratory Tract Irritation

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word Danger

Hazard Statement(s):

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

Precautionary Statement(s):

Prevention	P210	
	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+P330	IF SWALLOWED: Rinse Mouth.
	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	
	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.	

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
De-ionized water	007732-18-5	60-70%
Nonionic Acrylic Ester Polymer	Trade Secret	27-36%
Dimethylglyoxime	94-45-4	3-4%
Ammonium Citrate	3012-65-5	<3%

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	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. If eye irritation persists, get 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, Water Spray
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.
Special Hazards	Toxic ammonia gas may form in fire.

Section 6: Accidental Release Measures

Personal precautions	Surface may be slippery. Use proper personal protect equipment (specified in section 8)
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. Collect Spillage. Use adsorbent material to collect liquid component 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.
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	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. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. 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

Appearance:	Powder-Liquid Mixture White bead in colorless liquid	Explosion Limits (Upper/Lower):	Not Established
Odor:	ammonia-like	Flash Point:	Not Established
Odor Threshold:	Not Established	Flammability:	Not Established
pH:	8 -9	Autolgnition Temperature:	Not Established
Melting Point:	approximately 100°C	Decomposition Temperature	Not Established
Boiling Point:	approximately 0°C	VaporPressure:	Not Established
Relative Density:	0.25 g/mL at 20°C	VaporDensity:	Not Established
Solubility:	Powder is insoluble in water.	Evaporation Rate:	Not Established
Partition Coefficient:	Not Established		
Viscosity:	Not Established		

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	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. Toxic ammonia gas may form in fire.

Section 11: Toxicology Information

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 to liquid and/or powder will cause skin irritation.
Serious eye damage/irritation	
Respiratory or skin sensitization	Solid or dust may cause irritation or corneal injury due to mechanical action.

Germ Cell Mutagenicity	No data available regarding respiratory sensitization effects of this product.
Carcinogenicity	Dimethylglyoxime - Hamster, Embryo, Morphological transformation.
	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

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	Avoid disposal to sewers and local waterways.
	Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Burn liquid in a chemical incinerator equipped with an afterburner and scrubber.
	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 15: Regulatory Information

Canada - DSL/NDSL	A component, Ammonium Citrate Dibasic [CAS 3012-65-5], is listed on Canada's DSL list.
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	A component, Ammonium Citrate Dibasic [CAS 3012-65-5], is listed on the following state right to know lists: MA, PA

Section 16: Other Information

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