

SAFETY DATA SHEET

Nickel Resin SDS - Bulk and Cartridge

Revision Date: 26-Nov-24

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):

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	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.	

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	Weight Percentage
Nonionic Acrylic Ester Polymer	Trade Secret	89%
Dimethylglyoxime	94-45-4	11%

Section 4: First-aid Measures

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 several 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.
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	Possible combustion products include carbon oxides, nitrogen oxides (Nox)

Section 6: Accidental Release Measures

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

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

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. 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 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	Autoignition Temperature:	Not Established
Melting Point:	Not Established	Decomposition Temperature:	Not Established
Boiling Point:	Not Established		
Relative Density:	0.25 g/mL at 25°C	Vapor Pressure:	Not Established
Solubility:	Insoluble in water	Vapor Density:	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.
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

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.

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

Toxicity

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.

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

UN Number UN1325

**Land Transport
(US DOT)**

Hazard Class	4.1
Packing Group	II
Hazard Label	4.1
Proper Shipping Name	Flammable solids, organic, n.o.s. (Dimethylglyoxime mixture)

US Department of Transportation Exceptions:

This may be shipped under 173.4(a) small quantities for highway and rail -when the maximum quantity for inner receptacle does not exceed 30 g and the requirements of paragraphs (2) through (10) are met. This may be shipped as "limited quantity", per 49 CFR 173.151, when net quantity per inner packaging does not exceed 1kg.

**Air Transport
(IATA)**

Hazard Class	4.1
Packing Group	II
Hazard Label	4.1
Proper Shipping Name	Flammable solids, organic, n.o.s. (Dimethylglyoxime mixture)

IATA Exceptions:

May be shipped as "Excepted quantity" when net quantity per inner packaging does not exceed 30 g and net quantity of hazardous material per outer packaging does not exceed 500g. Refer to IATA current edition.

**Water Transport
(IMDG)**

Hazard Class	4.1
Packing Group	II
Hazard Label	4.1
Proper Shipping Name	FLAMMABLE SOLIDS, ORGANIC, N.O.S. (DIMETHYLGLYOXIME MIXTURE)

IMDG Exceptions:

May be shipped as "Excepted quantity" when net quantity per inner packaging does not exceed 30 g and net quantity of hazardous material per outer packaging does not exceed 500g. Refer to IMDG Code. This may be shipped as "limited quantity", per IMDG 3.2, when net quantity per inner packaging does not exceed 1kg.

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

Revised:	11/26/2024
Replaces Revision:	10/18/2024
Revision	Updated transportation section, 14
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.