# SAFETY DATA SHEET

DGA Resin - Branched SDS - Bulk and Cartridge

Revision Date: 01-Feb-18

## Section 1: Chemical Product and Company Identification

**Product Name** DGA Resin - Branched

Product Number(s): DB-B01-S, DB-R50-S

Product Synonym(s): DGA Resin - Branched

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
Brazil: 0-800-591-6042
India: 000-800-100-4086
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, 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):

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

Precautionary Statement(s):

| | | |
|---|---|---|
| Prevention | 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 | P301+P312+P330 | IF SWALLOWED: Call a POISON CONTROL CENTER or doctor if you feel unwell. Rinse mouth. |
| | P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| | P304+P312 | IF INHALED: Call a POISON CONTROL CENTER or doctor if you feel unwell. |
| | 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. |
| | 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 |
|---|---|---|
| Nonionic Acrylic Ester Polymer | Trade Secret | 60% |
| N,N,N'N'- Tetra(2-ethylhexyl)-3-oxapentanediamide | 669087-46-1 | 40% |

## 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 | IF SWALLOWED: 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 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. |
| Most important symptoms and effects, both acute and delayed | No further relevant information available. |
| 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 | Use fire extinguishing methods suitable to surrounding conditions |
| | Foam, CO2, Dry Chemical |
| Protective Equipment | Wear positive pressure self-contained breathing apparatus and full personal protective equipment. |

## 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 | 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 repeated freeze-thaw cycles; beads may fracture. If frozen, thaw at room temperature. |
| | Use mechanical exhaust if dust is formed. |
| Conditions for safe storage | Normal warehouse storage in cool, dry area is satisfactory. |
| | Storage temperature: 0 to 50 °C (32 to 122°F ) |
| | 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 | Mechanical exhaust is required. |
| | Do not eat, drink or smoke when using this product. |

| | |
|---|---|
| | Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. |
| Body protection | Wear protective gloves, clothing, and eye protection. |
| Respiratory protection | Do not breathe dust. |

## Section 9: Physical Properties

Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| Appearance: | Powder<br>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: | 427 °C |
| Melting Point: | Not Established | Decomposition Temperature | Not Established |
| Boiling Point: | Not Established | | |
| Relative Density: | 0.38 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 | 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 nitrogen 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 has not been determined. |
| Inhalation Effects | No data available. |
| Dermal Effects | Polymer, Dermal LD50 > 5,000 mg/kg (rabbit) |
| | Extractant, Dermal LD50 has not been determined. |
| Skin corrosion/irritation | |
| | No test data available. Slight irritation expected. |
| Serious eye damage/irritation | |
| | No test data available. Slight irritation expected. |
| Respiratory or skin sensitization | |
| | No data available regarding respiratory or skin sensitization effects of this product. |
| Germ Cell Mutagenicity | |
| | No data available regarding mutagenic effects of this product. |
| Carcinogenicity | |
| | No specific data available. Minimize direct exposure to material. |
| 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 aspiration hazards associated with 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 | No data are available on the adverse effects of this material on the environment. |
| Persistance and degradability | No data are available for persistance 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. |

## 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

| | |
|---|---|
| Revision | Updated to GHS SDS format, including classification |
| | 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 warrantees, 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.