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Section 1. Product Identification: DIAION CRB03, Chelating Resin, Glucamine type.

Part Numbers: Diaion CRB03

Section 2. Hazardous Identification

Class Name of Hazardous Chemicals for SDS: Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.

Hazard (s) not otherwise classified (HNOC): None known

Section 3. Composition / Information on Ingredients

Ingredient	CAS No.	%
D-Glucitol, 1-deoxy-1-(methylamino)-, reaction products with chloromethylated divinylbenzene-ethenylethylbenzene-styrene polymer.	71799-50-3	30-70

Remaining portion is water

Section 4. First Aid Measures

Skin: Wash material off skin with soap and water. Seek medical attention if irritation occurs.
Eyes: Flush with copious amounts of water for 15 minutes. Seek medical attention if irritation occurs.
Ingestion: Ingestion is not likely in the physical form. Seek medical attention if gastrointestinal symptoms develop.
Inhalation: Possibility of inhalation is low. Remove to fresh air get medical attention if cough or other symptoms develop.

Section 5. Fire Fighting Measures

General Hazard: Not considered to be a fire hazard.

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Extinguishing Media Which Must Not be Used for Safety Reasons: None

Special Fire-fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH, and full protective gear. Keep personnel removed from and upwind of fire. Keep unnecessary people away.

Hazardous Combustion Products: Carbon monoxide

Section 6. Accidental Release Measures

Personal Precautions: Resins may be slippery. Do not step on the spilled resins. Evacuate non-essential personnel.

Environmental Precautions: Prevent spilled resins from entering sewers or waterways.

Methods for Clean Up: Sweep up, place in closed containers and have them disposed of by experts. Dispose in a facility for non-hazardous wastes. Spent should be disposed of in accordance with State and Federal laws.

Do not reuse empty bags or drums. Dispose of used bags in facility permitted for non-hazardous wastes.

Section 7. Handling and Storage

Handling: Wear safety glasses and protective gloves to avoid eye and skin contact. Resin handling should be in a well-ventilated, up wind areas. Eye-washing facilities must be set in the working area. Do not step on spilled resins because the resins are very slippery. Avoid high temperature, sparks and flames. Also avoid contact or mixture with oxidizing substances. Wash hands after handling.

Storage: Store in cool, dry, ventilated area at temperature more than 0 degree C not to freeze resins. Keep the containers completely closed. Keep away from oxidizing substances.

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limit: ACGIH TLV (TWA): Not established
(STEL): Not established

Engineering Measures: If resin handling is made in-house, general and/or local exhaust ventilation is preferred.

Personal Protection:

Respiratory Protection: Not necessary
Hand Protection: Rubber gloves
Eye Protection: Chemical goggles
Skin Protection: Chemical resistant gloves

Section 9. Physical and Chemical Properties

Appearance and odor: Solid, opaque yellowish-white spherical beads, slight amine-like odor.

pH: Not applicable

Boiling point: Not applicable

Vapor Pressure: None

Vapor Density: None

Flammability: This product is not flammable

Auto flammability: Not applicable

Explosive Properties: Not applicable

Flash point: Not applicable

Melting Point: Not applicable

Oxidizing Properties: None

Relative Density: approx. 1.1 (25 deg. C) approximate

Solubility: (Water): Insoluble

(Solvents): Insoluble

Partition Coefficient: (n-Octanol/water): Not applicable

Section 10. Stability and Reactivity

Stability & Reactivity: Chemically stable

Conditions to Avoid: Drying and freezing

Materials to Avoid: Strong oxidizing substances such as nitric acid

Hazardous Decomposition Products (except burning): Irritating and/toxic fumes and gases may be emitted Upon the product's decomposition. At thermal decomposition temperatures, NOx, carbon monoxide, and CO2.

Section 11. Toxicological Information

Skin Corrosivity: Essentially no skin corrosivity

Irritation: Eye: May cause slight transient eye irritation.

Skin: Essentially no irritation.

Sensitization: Not a respiratory or skin sensitizer.

Narcosis: None

Acute Toxicity: Oral: Believed to be essentially none.

Skin: Believed to be essentially none.

Inhalation: Believed to be essentially none.

Sub acute Toxicity: Believed to be essentially none.

Sub chronic Toxicity: Believed to be essentially none.

Chronic Toxicity: Believed to be essentially none.

Carcinogenicity: Not classified.

Mutagenicity: Believed to be essentially none.

Reproductive Toxicity: Believed to be essentially none.

Section 12. Ecological Information

Degradability: Not determined

Biodegradability: None

Accumulation: Not available

Bioaccumulation: None

Ecotoxicity: Not classified as environmentally hazardous

Toxicity to Fish: Not available

Other Adverse Effects: Not available

Section 13. Disposal Considerations

After removal of hazardous and/or poisonous substances on used resin or contaminated package, dispose of the materials by either incineration or landfill.

Above disposal methods should be applied under conditions that meet all the regulations relating to waste in your country.

Section 14. Transport Information

Temperature during transportation must be kept more than 0 degrees C. Keep away from oxidizing substances. In addition, please follow all regulations in your country.

Further Information:

UN Class: Not applicable

UN No.: Not applicable

IMDG: Not applicable

IACO/IATA: Not applicable

RID: Not applicable

ADR: Not applicable

Section 15. Regulatory Information

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

SARA 304 Emergency Release Notification: Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed

SARA Hazard Categories: Immediate– No, Delayed– No, Fire– No, Pressure– No, Reactivity– No

SARA 302 Extremely Hazardous Substance: Not listed

SARA 311/312 Hazardous Chemical: Not regulated

SARA 313 (TRI reporting): Not regulated

Please follow all regulations in your country.

Section 16. Additional Information

HMIS Rating: Health Hazard: 0, Chronic Health Hazard: 0, Flammability: 0, Physical Hazard: 0.

NFPA Rating: Health Hazard: 0, Fire Hazard: 0, Reactivity Hazard: 0.

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SDS REVISION SUMMARY: