

Safety Data Sheet

Part Number 325354

Section 1. Substance Identity and Company Contact Information

Product Name	Amberlite (TM) IRB150 Resin	Product Part Number(s)	213579, 170712, 110965, and 148016
Trade Name	Amberlite (TM) IRB150 Resin	Unit Size	Cartridge
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word	Warning	
Precautionary Statement(s)	Non hazardous. May cause irritation.	
Target Organ(s)	Not available	
Potential Health Effects	Eye:	Direct contact with material may cause slight irritation.
	Skin:	Prolonged or repeated skin contact can cause slight irritation.
	Ingestion:	None reported
	Inhalation:	None
Chronic Effects/ Carcinogenicity	IARC:	No
	NTP:	No
	OSHA:	No
Teratology (Birth Defects) Information	No information available	
Reproductive Information	No information available	
NFPA Ratings	Health:	Not available
	Flammability:	Not available
	Reactivity:	Not available
HMIS Rating	Health:	1
	Flammability:	1
	Reactivity:	0
	Protective Equipment:	Not available

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Strong acid cation exchange polymer, hydrogen ion form	Not hazardous	15.0-25.0	None	None est.
Strong base anion exchange polymer, hydroxide ion	Not hazardous	20.0-30.0	None	est
DI water	7732-18-5	50.0-60.0	None	est
Propyl Alcohol	71-23-8	15	200 ppm	200 ppm

Section 4. First Aid Measures

General Advice	None
If Inhaled	None
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	None
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available.

Section 5. Fire-fighting Measures

General Information	Toxic fumes are generated when material is exposed to fire or fire conditions. Cool closed containers exposed to fire with water spray. In the event of fire, wear self-contained breathing apparatus. Avoid breathing smoke.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising from the Substance or mixture	Not available
Advice for Firefighters	Wear self-contained breathing apparatus for fire fighting, if necessary.
Flash Point	None
Autoignition Temperature	500 °C estimated
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Appropriate protective equipment must be worn when handling a spill of this material.
Environmental Precautions	Not available
Methods and Materials for Containment and Cleaning	Keep spectators away. Floors may be slippery; use care to avoid falling. Transfer spilled material to suitable containers for recovery or disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	This product as supplied is a whole bead resin inside a cartridge. Contact with the resin may produce slight eye irritation.
Conditions for Safe Storage, Including any Incompatibilities	Do no pack column with dry ion exchange resins. Dry beads expand when wetted; this expansion can cause glass column to shatter.
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	Not available
Appropriate Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility.
Eye/Face Protection	Use safety glasses with side shields.
Skin Protection	Cotton or canvas gloves
Body Protection	Not available
Respiratory Protection	Not required
Control of Environmental Exposure	Prevent further leakage to spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid; Color: Colorless
Odor	Alcohol odor
Odor Threshold	No data available
pH	5.0-8.0
Melting Point/Freezing Point	Not available
Initial Boiling Point and Boiling Range	100 °C (212 ° F) - lit.
Flash Point	Not available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	17
Vapor Density	1.0-1.30 approximately
Relative Density	Not available
Water Solubility	Insoluble
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Thermal decomposition may yield the monomer vapors.
Conditions to Avoid	Avoid temperatures over 100 °C.
Incompatible Materials	Avoid contact with strong oxidizers and nitric acid.

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Not available
	<i>On the eye:</i>	Not available
	<i>Inhalation:</i>	Not available
	<i>Ingestion:</i>	Not available
Respiratory or Skin Sensitization		Not available
Signs and Symptoms of Overexposure		Not available
Toxicity Data	<i>Oral rat LD 50</i>	LD ₅₀ rabbit > 5,000 mg/kg

Section 12. Ecological Information

General Notes	Limited effects are expected from exposure of the environment compartments by insoluble plastic beads of large diameter (300 to 1,200 microns).
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Section 13. Disposal Considerations

Product	When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristics (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). Unused material may be incinerated or landfilled in facilities meeting local, state, and federal regulations.
Contaminated Packaging	Empty containers should be taken to local recyclers for disposal. Refer to applicable federal, state, and local regulations.

Section 14. Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15. Regulatory Information

OSHA Status	This product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).
TSCA Status	All components of this solution are listed in the TSCA inventory.
CERCLA Reportable Quantity	Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to Reauthorization Act (SARA) Title III Section 304.
SARA Title III	This product is not a hazardous chemical under 29 CFR 1910.1200, and therefore is not covered by Title III of SARA. This product does not contain a chemical which is listed in Section 313 at or above the minimis concentrations.
RCRA Status	No
California Proposition 65	Not listed
Chemical Weapons Convention	No
TSCA 12 (b)	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
SARA 311/312	Acute: No
	Chronic: No
	Fire: No
	Pressure: No
	Reactivity: No

Australian Hazchem Code	None allocated
Poison Schedule	None allocated
WHMIS	This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

Section 16. Other Information

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For R&D use only. Not for drug, household, or other uses.

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