

# Safety Data Sheet

Part Number 325355

## Section 1. Substance Identity and Company Contact Information

<b>Product Name</b>	Amberlite IRN-77, Ion Exchange Resin	<b>Product Part Number(s)</b>	225003, 110965, 148008, and 148016
<b>Trade Name</b>	Amberlite IRN-77, Ion Exchange Resin	<b>Unit Size</b>	Cartridge
<b>Company</b>	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		
<b>Emergency No. 1-800-424-9300 (Chemtrec).</b> Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.			

## Section 2. Hazards Identification

**Pictogram(s)**



<b>Signal Word</b>	Warning	
<b>Precautionary Statement(s)</b>	May cause skin and eye irritation.	
<b>Target Organ(s)</b>	Not data available	
<b>Potential Health Effects</b>	Eye:	May cause eye irritation.
	Skin:	Causes skin irritation.
	Ingestion:	None reported
	Inhalation:	None reported
<b>Chronic Effects/ Carcinogenicity</b>	IARC:	No
	NTP:	No
	OSHA:	No
<b>Teratology (Birth Defects) Information</b>	No data available	
<b>Reproductive Information</b>	No data available	
<b>NFPA Ratings</b>	Health:	1
	Flammability:	1
	Reactivity:	0
	Special Notice Key:	Not data available
<b>HMIS Rating</b>	Health:	1
	Flammability:	1
	Reactivity:	0
	Protective Equipment:	Not data available

### Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Amberlite IRN-77, Ion Exchange Resin	11128-94-2	40-45	Not data available	Not data available
Propyl Alcohol	71-23-8	15	200 ppm	200 ppm

### Section 4. First Aid Measures

<b>General Advice</b>	Get medical assistance for all cases of overexposure.
<b>If Inhaled</b>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.
<b>In Case of Skin Contact</b>	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.
<b>In Case of Eye Contact</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>If Swallowed</b>	Seek medical treatment.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	No data available.

### Section 5. Fire-fighting Measures

<b>Suitable Extinguishing Media</b>	Carbon dioxide, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>Special Hazards Arising from the Substance or mixture</b>	Not data available
<b>Advice for Firefighters</b>	Wear a self-contained respirator. Wear fully protective impervious suit. In case of fire, carbon monoxide, carbon dioxide, and sulfur oxides (SOx) can be released.
<b>Flash Point</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Further Information</b>	No data available

### Section 6. Accidental Release Measures

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Not data available
<b>Environmental Precautions</b>	Do not allow material to be released to the environment without proper governmental permits.
<b>Methods and Materials for Containment and Cleaning</b>	Pick up mechanically. See Section 7, 8, and 13 for more information.

### Section 7. Handling and Storage

<b>Precautions for Safe Handling</b>	Keep container tightly sealed. Store in cool, dry place. No special precautions are required if used correctly. Keep ignition sources away.
<b>Conditions for Safe Storage, Including any Incompatibilities</b>	Store away from oxidizing agents. Keep container tightly sealed. Store in cool, dry conditions.

## Section 8. Exposure Controls and Personal Protection

<b>Components with Workplace Control Parameters</b>	Not data available
<b>Appropriate Engineering Controls</b>	General industrial hygiene practice
<b>Eye/Face Protection</b>	Safety glasses
<b>Skin Protection</b>	Impervious gloves. Check protective gloves prior to each use for their proper condition.
<b>Body Protection</b>	Protective work clothing. The usual precautionary measures for handling chemicals should be followed. Keep away from foods, beverages, and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.
<b>Respiratory Protection</b>	Use suitable respirator when high concentrations are present.
<b>Control of Environmental Exposure</b>	Do not allow material to be released to the environment without proper governmental permits.

## Section 9. Physical and Chemical Properties

Property	Amberlite IRN-77, Ion Exchange Resin	Propyl Alcohol
<b>Appearance</b>	Form: Beads; Color: Brown	Form: Liquid; Color: Clear
<b>Odor</b>	Not determined	Alcohol
<b>Odor Threshold</b>	No data available	Not data available
<b>pH</b>	5.0-8.0	No information found
<b>Melting Point/Freezing Point</b>	Not determined	-127 °C
<b>Initial Boiling Point and Boiling Range</b>	Not determined	97 °C
<b>Flash Point</b>	No data available	No data available
<b>Evaporation Rate</b>	No data available	No data available
<b>Flammability (solid, gas)</b>	Not data available	Not data available
<b>Upper/Lower Flammability or Explosive Limits</b>	No data available	No data available
<b>Vapor Pressure</b>	Not data available	15
<b>Vapor Density</b>	1.1-1.4 g/cm <sup>3</sup>	2.1
<b>Relative Density</b>	Not data available	Not data available
<b>Water Solubility</b>	Insoluble	Miscible
<b>Partition Coefficient : n-octanol/water</b>	No data available	No data available
<b>Auto-ignition Temperature</b>	Not data available	Not data available
<b>Decomposition Temperature</b>	No data available	No data available
<b>Viscosity</b>	No data available	No data available
<b>Explosive Properties</b>	No data available	No data available
<b>Oxidizing Properties</b>	No data available	No data available
<b>Other Safety Information</b>	No data available	No data available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	No dangerous reactions known.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Decomposition will not occur if used and stored according to specifications. Keep away from heat, sparks, open flames, and hot surfaces.
<b>Incompatible Materials</b>	Not data available

## Section 11. Toxicological Information

<b>Routes of Exposure</b>	<i>On the skin:</i>	May cause irritation
	<i>On the eye:</i>	May cause irritation
	<i>Inhalation:</i>	No data available for this material.
	<i>Ingestion:</i>	No data available for this material.
<b>Respiratory or Skin Sensitization</b>	No sensitizing effects known.	
<b>Signs and Symptoms of Overexposure</b>	Other than potential irritation (see above), no information or illness or injury to humans from acute or chronic exposure to this product is available.	
<b>Toxicity Data</b>	<i>Oral Rat</i>	LD <sub>50</sub> rabbit>5,000 mg/kg

## Section 12. Ecological Information

<b>General Notes</b>	Do not allow material to be released to the environment without proper governmental permits.
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## Section 13. Disposal Considerations

<b>Product</b>	Consult local, state, or national regulations to ensure proper disposal.
<b>Contaminated Packaging</b>	Disposal must be according to official regulations.

## Section 14. Transport Information

<b>DOT Shipping Name</b>	None
<b>UN Proper Shipping Name</b>	None
<b>DOT Hazard Class</b>	Non-regulated
<b>Packing Group</b>	None
<b>UN Number</b>	None
<b>Hazardous Ingredients</b>	None
<b>DOT Label</b>	None
<b>DOT Placard</b>	None
<b>IMDG Shipping Name</b>	Not data available
<b>UN Number</b>	Not data available
<b>Class</b>	Not data available
<b>Packing Group</b>	Not data available
<b>IATA Shipping Name</b>	Not data available
<b>Technical Shipping Name</b>	Not data available
<b>IATA Hazard Class</b>	Not data available
<b>UN Number</b>	Not data available
<b>Hazardous Ingredients</b>	Not data available
<b>IATA Label</b>	Not data available
<b>IATA Placard</b>	Not data available

## Section 15. Regulatory Information

<b>OSHA Status</b>	This product is considered non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
<b>TSCA Status</b>	All components of this solution are listed in the TSCA inventory.	
<b>CERCLA Reportable Quantity</b>	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.	
<b>SARA Title III</b>	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 minimal concentrations.	
<b>RCRA Status</b>	Not data available	
<b>California Proposition 65</b>	Not listed	
<b>Chemical Weapons Convention</b>	No	
<b>TSCA 12 (b)</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.	
<b>SARA 311/312</b>	Acute:	No
	Chronic:	No
	Fire:	No
	Pressure:	No
	Reactivity:	No
<b>Australian Hazchem Code</b>	None allocated	
<b>Poison Schedule</b>	None allocated	
<b>WHMIS</b>	This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information system (WHMIS).	

## Section 16. Other Information

Date Prepared: April 14, 2004

Revised: May 14, 2015

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

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