


MSDS for NRW35, NRW36, NRW37, NRW56, EX-MB,NRW1200, MB400 Mixed Bed Resin

 ION EXCHANGE RESINS 150 Monument Road: Bala Cynwyd, PA 19004 800-343-1500 610-668-9090		Material Safety Data Sheet complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200				
IDENTITY (As Used on Label and List)		Purolite NRW-35, NRW-36, NRW-37, NRW-56 NRW-1200,EX-MB, MB400 Mixed Bed Resin for the following grades: Standard (STD), EDM, LC, LT and SC (DOT Class 50 Non-Hazardous Material - Harmonizing Code 3914.00.0000)				
CAS #	69011-20-7 69011-18-3					
SECTION I Manufacturer's Name & Contact Information			Purolite Hazard Rating		Scale	
The Purolite Company 150 Monument Road Bala Cynwyd, PA 19004 , USA		Emergency Telephone Number : 610-668-9090		Toxicity	1	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
		Telephone # for Information : 610-668-9090		Fire	1	
				Reactivity	0	
				Special	-	
Date Prepared :		Nov2007				
SECTION II Ingredients/Identity Information						
Components (Specific Chemical Identity: Common Name(s))		OSHA	PEL	ACGIH TLV	Other Limits	
Sulfonated styrene-divinylbenzene copolymer in the Hydrogen form 40-60%; Quaternary amine styrene divinylbenzene copolymer in the hydroxide form 40-60%; water 40-60%		N/A	N/A	N/A	N/A	
SECTION III Physical/Chemical Characteristics						
Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	Approx 1.1	Solubility in Water	Negligible	
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A	Melting Point	N/A	
Vapor Density (AIR = 1)	N/A	Appearance and Odor	Spherical beads with a mix of colors			
SECTION IV Fire and Explosion Hazard Data						
Flash Point (Method Used)	None	Flammable Limits auto/ign. 427°C / 800° F (estimated) No flash point	LEL	UEL		
			N/A	N/A		
Extinguishing Media		CO ₂ , Dry chemical, Water fog				
Special Fire Fighting Procedures		Wear MSHA /NIOSH approved, pressure demand, self contained breathing apparatus				
Unusual Fire and Explosion Hazards		None				
SECTION V - Reactivity Data						
Stability	Stable	Conditions to Avoid	Avoid temperatures over 220°C (424°F)			
Incompatibility (Materials to Avoid)		Avoid contact with concentrated nitric acid, or strong oxidizing agents.				
Hazardous Decomposition or Byproducts		CO, CO ₂ , SO ₂ , SO ₃ , NH ₃ , NH ₂ , CH ₃ and related amines, divinylbenzene, styrene				

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Hazardous Polymerization	Will not occur	Conditions to Avoid	N/A
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SECTION - VI Health Hazard Data

Route(s) of Entry: N/A	Inhalation?	N/A	Skin?	N/A	Ingestion?	N/A
Health Hazards (Acute and Chronic)	Eye Contact: Like other foreign bodies, particles may cause mechanical irritation of the eye					
Carcinogenicity: N/A	NTP?	N/A	IARC Monographs?	N/A	OSHA Regulated?	N/A
Signs and Symptoms of Exposure	N/A					
Medical Conditions Generally Aggravated By Exposure	Eye Contact: Like other foreign bodies, particles may cause mechanical irritation of the eye					
Emergency and First Aid Procedures	Eye contact: Flush with large amount of water for at least 15 minutes. Consult physician if irritation persists					

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	
Resin beads on floor may mechanically cause floor to be slippery. Use care to avoid falls. Sweep up and transfer to containers for recovery or disposal	
Waste Disposal Method	Dispose of in accordance with Federal, State and Local Regulations
Precautions to be Taken in Handling and Storing:	Keep drums and plastic bags sealed to prevent drying or moisture loss.
Other Precautions:	Store below 49° (120°F) and above 0°C (32°F)

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)	None			
Ventilation	Local Exhaust	Normal room ventilation	Special	N/A
	Mechanical (General)	N/A	Other	N/A
Protective Glove:	Cloth gloves	Eye Protection:	Safety glasses (ANSI Z 87.1)	
Other Protective Clothing or Equipment	None			
Work/Hygienic Practices	Cleanliness is recommended.			

SECTION IX - Regulatory Information

Workplace Classification: http://www.osha.gov/OshStd_toc/OSHA_Std_toc.html	Non-Hazardous under 29 CFR 1910.1200
DOT Classification: http://www.dot.gov/	Non-Regulated under 49 CFR 172.101
RCRA Hazardous Waste No: http://www.epa.gov/rcraonline/	Not Listed (40 CFR 261.33)
CERCLA Hazardous Substance: http://www.epa.gov/superfund/whatis/cercla.htm	Not Listed (40 CFR 302.4)
SARA Toxic Chemical: http://www.epa.gov/swercepp/rules/epcra.html	Not Listed (40 CFR 372.65)
SARA Extremely Hazardous Substance:	Not Listed (40 CFR 355)
OSHA Specifically Regulated Substance: http://www.osha.gov/	Not Listed (29 CFR 1910)

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TSCA Status: <http://www.epa.gov/region5/defs/html/tsca.htm>

Listed on the TSCA Inventory

Abbreviations Used:

ACGIH TLV - American Conference of Government Industrial Hygienists Threshold Limit Value; ANSI - American National Standards Institute;
CAS RN - Chemical Abstracts Registry Number; CERCLA - Comprehensive Environmental Response Compensation, and Liability Act;
CFR - Code of Federal Regulations; DOT - Department of Transportation; IARC - International Agency for Research on Cancer;
LEL - Lower Explosive Limit; MSHA - Mine Safety and Health Administration; N/A - Not Applicable; NIOSH - National Institute of
Occupational Safety and Health; NTP - National Toxicology Program; OSHA PEL - Occupational Safety and Health Administration
Permissible Exposure Limit; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act;
TSCA - Toxic Substances Control Act; UEL - Upper Explosive Limit.