## SAFETY DATA SHEET

RE Resin SDS - Bulk and Cartridge

Section 1: Chemical Product and Company Identification					
Product Name	RE Resin				
Product Number(s):	RE-B01-A, RE-B01-F, RE-B01-S, RE-B25-A, RE-B25-F, RE-B25-S, RE-B50-A, RE-B50-F, RE-B50-S, RE-R01-S, RE-R50-S				
Product Synonym(s):	RE Resin				
Identified Uses:	Laboratory chemicals, manufacture of substances				
Manufacturer:	Eichrom Technologies LLC	General	(8-5 CST M-F)		
	1955 University Lane Lisle, Illinois 60532	Information:	800-422-6693 (in USA) 630-963-0320		

24 Hour Emergency Number:

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## CHEMTREC: 800-424-9300

Section 2: Hazard(s) Identification

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GHS Signal Word:	Warning			
GHS Classification of	Skin Irritant			
substance or mixture:	Respiratory Tract Irritation			
	Acute toxicity, Inhalation (Category 5)			
	Acute hazards to the aquatic environment (Category 2)			
	Eye Irritant			
Hazard Statement(s):	H315 Causes skin irritation			
	H335 May cause respiratory irritation			
	H333 May be harmful if inhaled			
	H401 Toxic to aquatic life			
	H319 Causes serious eye irritation			
Prevention:				
P261	Avoid breathing dust and vapors.			
P264	Wash hands thoroughly after handling.			
P271	Use only outdoors or in a well-ventilated area.			
P273	Avoid release to the environment.			
P280	Wear protective gloves and eye protection.			
Response:				
P302/P352	IF ON SKIN: Wash with plenty of soap and water.			
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.			
P312	Call a POISON CONTROL CENTER or doctor if you feel unwell.			
P332/P313	If skin irritation occurs, seek medical attention.			
P337/P313	If eye irritation persists, get medical attention.			
P362	Take off contaminated clothing and wash before reuse.			
P391	Collect Spillage.			
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.			

## RE Resin SDS - Bulk and Cartridge

Section 0. Dhusias		E Resin SDS - Bi	and Cartilluge	Revision Date. 27-May-15	
Section 9: Physical		migal properties			
Information on basic pl	-	nical properties	Explosion Limita	Not Established	
Appearance:	Powder white, sphe	rical beads	Explosion Limits (Upper/Lower):	Not Established.	
Odor:	Odorless		Flash Point:	Not applicable.	
Odor Threshold: pH:	No data available Not Relevant		Flammability:	May form combustible dust concentrations in air.	
Melting Point:	No data available.		Autolgnition Temperatu	ire: 427 °C (800.6°F) estimated	
Boiling Point:	No data available.		Decomposition Temper	. ,	
Relative Density:	0.6 g/mL at 25°C.				
Solubility:	v	nsoluble in water.	VaporPressure:	Not Applicable.	
Partition Coefficient:	No data ava		VaporDensity:	Not Applicable.	
Viscosity:	Not Applica		Evaporation Rate:	<1 (Butyl Acetate = 1).	
Section 10: Stabilit					
Reactivity	y and Redeti		tions if stored and handled	as indicated	
Chemical Stability					
Hazardous Reactions		No hazardous read	Stable under normal handling and storage conditions. No hazardous reactions are expected in normal laboratory use. Hazardous		
		polymerization will not occur.			
Materials to Avoid			g oxidizers will degrade mat		
Hazardous decomposition Products		Possible combustion products include phosphorous oxides, phosphoric acid, carbon dioxide, and carbon monoxide; additional unidentified organic compounds may also be produced.			
Section 11: Toxico	logy Informa				
Acute Toxicity					
Oral Effects		RE Resin, estimated oral LD50 is >5000 mg/kg (mouse).			
		Tributylphosphate, Oral LD50 is 3000 mg/kg (rat).			
		Polymer, Oral LD5	0 > 5,000 mg/kg (rat)		
		CMPO, oral LD50	>5000 mg/kg.		
		Tributylphosphate,	Oral LD50 is 1189 mg/kg	(mouse).	
Inhalation Effects		• • • •		vapor is 11,000 ppm (rate - hr) [or 43 mg/l]	
			inhalation LC50, mouse: 1300 mg/m3.		
		• • •		m (rat - 1 hr) [or 28000 mg/m3]	
		Tributylphosphate, Draize test, rabbit, eye: 500 mg Severe.			
Dermal Effects		RE Resin, estimated oral LD50 is >5,000 mg/kg (mouse).			
			dermal LD50 is >3100 mg/	- · ·	
		Polymer, Dermal L	D50 > 5,000 mg/kg (rabbit)		
		CMPO, dermal LD	50 >2000 mg/kg.		
Skin corrosion/irritation					
		Tributylphosphate	is a mild skin irritant (rabbit)	). No data available for other	
		components.		,	
Serious eye damage/irr	itation				
		Tributylphosphate	is a mild eye irritant (rabbit)	. No data available for other	
		components.	,		
Respiratory or skin sense	sitization				
		No data available r	egarding respiratory or skin	sensitization effects of this product.	
Germ Cell Mutagenicity					
		No data available r	egarding mutagenic effects	of this product.	
Carcinogenicity			-		

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	No component of this product present at levels g identified as a known or anticipated carcinogen b		
	No component of this product present at levels g identified as a carcinogen or potential carcinogen		
	No component of this product present at levels g identified as probable, possible, or confirmed hu		
	No specific data available for some components material.	. Minimize direct exposure to	
	Tributylphosphate, Limited evidence of carcinoge Kidney, Ureter, Bladder: tumors; Mouse, Oral, Li		
Reproductive Toxicity			
Specific Target Organ Toxicity	No data available regarding reproductive effects	of this product.	
Single Exposure	No data available regarding specific target organ	n toxicity single exposure.	
Repeated Exposure	No data available regarding specific target organ toxicity repeated exposure.		
Aspiration Hazard			
	No data available regarding aspiration hazards a	associated with this product.	
Section 12: Ecological Information	on		
	No data are available on the adverse effects of t	his material on the environment.	
Aquatic Toxicity			
Acute Toxicity to fish	Tributylphosphate - LC50, Carassius auratus (go	oldfish) - 8.8 mg/l - 96 hr	
Acute Toxicity to aquatic invertebrates	Tributylphosphate - EC50, Daphnia magna (wate	er flea) - 3.6 mg/l - 48 hr	
Acute toxicity to aquatic plants	Tributylphosphate - EC50, Desmodesmus subsp hr	picatus (green algae) - 1.1 mg/l - 72	
Acute Toxicity to fish	RE Resin - Estimated LC50, Carassius auratus	(goldfish) - 38 mg/l - 96 hr	
Acute Toxicity to aquatic invertebrates	RE Resin - Estimated EC50, Daphnia magna (w	ater flea) - 16 mg/l - 48 hr	
Acute toxicity to aquatic plants	RE Resin - Estimated EC50, Desmodesmus sub 72 hr	ospicatus (green algae) - 4.7 mg/l -	
Persistance and degradability			
Biodegradability	Tributylphosphate - aerobic biodegradability - ex biodegradable.	posure time 28 d, 89% - readily	
Bioaccumulative potential			
Mobility in Soil	No data are available for mobility in soil.		
PBT/vPvB assessment	PBT/vPvB assessment not available as chemica required/not conducted.		
Other	An environmental hazard cannot be excluded in or disposal. Very toxic to aquatic life with long la		
Section 13: Disposal Considerat			
General Unused:	Dispose of contents/container in accordance with Bury resin in licensed landfill or burn in approved afterburner and scrubber according to local, stat	l incinerator equipped with an	
Used:	For resin contaminated with hazardous materials material according to local, state, and federal reg	s, dispose of mixture as hazardous	
Section 14: Transport Informatio		Jana 101101	
Air Transport:	Not Hazardous per IATA 2014		
Ground Transport:	Not D.O.T. Hazardous		
Water Transport:	Not Hazardous per IMDG 2012.		
Section 15: Regulatory Informati	on		
US Federal Regulations	Toxic Substances Control Act (TSCA): This matrix research and development (R&D) exemption.	terial is provided to you under the	
US State Regulations			
	A component, Tributylphosphate [CAS 126-73-8 to know lists: CA, MA, MN, NJ, PA	], is listed on the following state right	
Printed: Wednesday, May 27, 2015	Page 4 of 5	Eichrom Technologies LLC	

## Section 16: Other Information Revision Updated to GHS SDS format, including classification

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.