

Chemical Name: Battery Coat

Manufacturer: Zep

Container size: 16oz.

Location: VLA

**Disposal:** Place empty container in trash.

Material Safety Data Sheet							
Zep, Inc. Section 1. Chemical Product and Company Identification							
Atla	10 Seaboard Industrial Blvd. lanta, GA 30318	Pro	oduct name	B	ATTERY (	COAT	
ww	877-I-BUY-ZEP (428-9937) ww.zep.com	Pro	oduct use		ttery Termina		
Superior Solutions	A.		Product code 0108				
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		Emo	rgency Tele	nhono Nu	mbors	•	
			r MSDS Info	-	IIDEIS		
			mpliance Serv		-BUY-ZEP (4	128-9937)	
			r <b>Medical En</b> 7) 541-2016 7		ll Calls Reco	ded	
		CH	r <b>Transporta</b> EMTREC: (8 he District of	300) 424-93	00 - All Calls		
			epared By			-	
Printing da	ate: 08/05/10	(	Compliance Se				
			420 Seaboard Atlanta, GA 3		3lvd.		
	zards Identification						
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	HARMFUL. CAUSES E						
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Product code 0	108 <b>M</b>	aterial Safety Data Sheet	Product Name BATTERY COAT		
Section 4. Firs	at Aid Measures				
Eye Contact	remove any contact lenses. Contin	nue to rinse for at least 10 m	ing the upper and lower eyelids. Check for and ninutes. Get medical attention immediately.		
Skin Contact	Wash affected area with soap or mild detergent and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.				
Inhalation	Move exposed person to fresh air. oxygen. Get medical attention im-		icial respiration. If breathing is difficult, give		
Ingestion		ing occurs, the head should	mage. Do not induce vomiting unless directed to do be kept low so that vomit does not enter the lungs. medical attention immediately.		
Section 5. Fire	Fighting Measures	National Fire Prot	ection Association (U.S.A.)		
Flash Point	Not available.		2 0		
Flammable Lim	Upper: 10.5%				
Flammability	FLAMMABLE. (CSMA Meth	nod)			
Fire hazard	pressure increase will occur an explosion. Gas may accumula	nd the container may burst, ate in low or confined areas ack, causing fire or explosio	nd vapor. In a fire or if heated, a with the risk of a subsequent or travel a considerable distance to a n. Bursting aerosol containers may be		
Fire-Fighting Procedures	Use an extinguishing agent su fire with water. Fire-fighters s		ire. Cool closed containers exposed to tective equipment.		
Section 6. Acc	idental Release Measures				
Spill Clean up	Large spills are unlikely due to pa	ackaging.			
Section 7. Har	ndling and Storage				
o. U	r any other ignition source. Do not	get in eyes or on skin or clo	. Store and use away from heat, sparks, open flame thing. Do not breathe vapor or mist. Do not ingest. Wash contaminated clothing before reusing. Wash		
	CONTENTS UNDER PRESSURE. emperatures above 49°C (120°F) or		es. Do not puncture, incinerate or store the container a of the reach of children.		
Section 8. Exp	osure Controls/Personal Prote	ection			
Product name TRICHLOROETHYI dichloroethylene	LENE; acetylene trichloride; 1-chloro-2,2-	Exposure limits ACGIH TLV (United States), TWA: 10 ppm 8 hour(s). STEL: 25 ppm 15 minute(s). OSHA PEL (United States). TWA: 50 ppm 8 hour(s).			
XYLENE; dimethyl b	benzene; xylol	STEL: 200 ppm 15 minute(s). OSHA (United States). TWA: 100 ppm			
PROPANE; dimethyl	lmethane propyl hydride	TWA: 100 ppm OSHA PEL 1989 (United Sta TWA: 1000 ppm 8 hour(s). TWA: 1800 mg/m <sup>3</sup> 8 hour(s). NIOSH REL (United States, TWA: 1000 ppm 10 hour(s). TWA: 1800 mg/m <sup>3</sup> 10 hour(s). OSHA PEL (United States, 1 TWA: 1000 ppm 8 hour(s). TWA: 1800 mg/m <sup>3</sup> 8 hour(s). ACGIH TLV (United States, TWA: 1000 ppm 8 hour(s).	6/2009). ). 1/2006).		
BUTANE; n-Butane	DL MONOBUTYL ETHER; 2-	OSHA PEL 1989 (United Sta TWA: 800 ppm 8 hour(s). TWA: 1900 mg/m <sup>3</sup> 8 hour(s). NIOSH REL (United States, TWA: 800 ppm 10 hour(s). TWA: 1900 mg/m <sup>3</sup> 10 hour(s). ACGIH TLV (United States, TWA: 1000 ppm 8 hour(s).	<b>6/2009).</b> ).		

ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve

NIOSH REL (United States, 6/2009). Absorbed through skin. TWA: 5 ppm 10 hour(s). TWA: 24 mg/m<sup>3</sup> 10 hour(s). ACGIH TLV (United States, 1/2009). TWA: 20 ppm 8 hour(s).

Product code 0108	Material Safety Data Sheet		Product Name BATTERY COAT		
ETHYL BENZENE	TWA: 50 ppm 8 TWA: 240 mg/r <b>OSHA PEL 198</b> TWA: 25 ppm 8 TWA: 120 mg/r <b>ACGIH TLV (U</b> TWA: 100 ppm STEL: 125 ppm <b>OSHA PEL 198</b> TWA: 100 ppm TWA: 435 mg/r STEL: 125 ppm STEL: 545 mg/r	<ul> <li>B hour(s).</li> <li>n<sup>3</sup> 8 hour(s).</li> <li>9 (United States, 3/19</li> <li>8 hour(s).</li> <li>n<sup>3</sup> 8 hour(s).</li> <li>10 mited States, 2/2010).</li> <li>8 hour(s).</li> <li>15 minute(s).</li> <li>9 (United States, 3/19</li> <li>8 hour(s).</li> <li>15 minute(s).</li> <li>15 minute(s).</li> <li>m<sup>3</sup> 15 minute(s).</li> <li>8 hour(s).</li> <li>8 hour(s).</li> <li>8 hour(s).</li> <li>16 minute(s).</li> <li>17 minute(s).</li> <li>8 hour(s).</li> <li>8 hour(s).</li> <li>8 hour(s).</li> </ul>	Absorbed through skin. 89). Absorbed through sk 89).	cin.	
Personal Protective Equipm	ent (PPE)		- 22		
Eyes Safety glasses.					
Body Chemical-resist	ant gloves. Viton				
controls to keep	ate ventilation. Provide exhaust ven the airborne concentrations of vapo posure limits. Wear appropriate resp	rs below their resp	pective		
Section 9. Physical and Che	mical Properties				
Physical State Liquid. [Aer	osol.]	-	Color Red.		
pH Not applicat	ble		Odor Solvent-li	ke. [Slight]	
<b>Boiling Point</b> 54.4°C (129		-	Pressure 8 kPa (60	-	
Specific Gravity 1.25 (Wate			Density Not deter		
Solubility Insoluble in hot water.	the following materials: cold water a	and <b>Evapora</b>	tion Rate 0.75 (buty	vl acetate = 1)	
liot water.		VOC (Co	onsumer) 92.3% 7	.97 lbs/gal 955.63 g/l	
Section 10. Stability and Re	activity				
Stability and Reactivity	The product is stable.				
Incompatibility	Keep away from heat, sparks and f	lame. Reactive or	incompatible with the	e following materials:	
	oxidizing materials.				
Hazardous Polymerization	Will not occur.				
Hazardous Decomposition P	roducts carbon oxides (CO, CO <sub>2</sub>	), Hydrogen chlor	ide (HCl), Chlorine,	Phosgene gas.	
Section 11. Toxicological In	formation				
Acute Toxicity		-			
Product/ingredient name	Result	Species	Dose	Exposure	
Trichloroethylene	LD50 Dermal	Rabbit	10000 mg/kg	-	
	LD50 Oral LD50 Oral	Mouse Rat	2402 mg/kg 4920 mg/kg	-	
Xylene	LC50 Inhalation Vapor	Rat	6700 ppm	- 4 hours	
<i>J</i>	LD50 Oral	Rat	3500 mg/kg	-	
Butane	LC50 Inhalation Vapor	Rat	658 g/m3	4 hours	
ethylene glycol monobutyl ether		Rat	450 ppm	4 hours	
	LC50 Inhalation Vapor LD50 Dermal	Guinea pig	>633 ppm >2000 mg/kg	1 hours	
	LD50 Dermal	Guinea pig Rabbit	22000 mg/kg	-	
	LD50 Oral	Guinea pig	1200 mg/kg	-	
	LD50 Oral	Rat	250 mg/kg	-	
Ethylbenzene	LD50 Oral	Rat	3500 mg/kg	-	
Section 12. Ecological Infor	mation				
Environmental Effects	Not available.				
Aquatic Ecotoxicity		_		_	
Product/ingredient name	Test	Result	Species	Exposure	

Product code 0108	Material Safety Data Sh	neet Produ	ct Name BATTERY COA	ΑT
ethylene glycol monobutyl ether		Acute EC50 >1000 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
		Acute LC50 >1000 mg/L Marine water	Crustaceans - Amphipod - Chaetogammarus marinus - Young - 5 mm	48 hours
		Acute LC50 1490000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 33 to 75 mm	96 hours
		Acute LC50 1250000 ug/L Marine water	Fish - Inland silverside - Menidia beryllina - 40 to 100 mm	96 hours
		Acute LC50 800000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
		Chronic NOEC 1000 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours

## Section 13. Disposal Considerations

#### Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D001, D040

Classification: - [Hazardous waste] Origin: - [RCRA waste.]

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Consumer commodity ORM-D			
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG\* : Packing group

#### Section 15. Regulatory Information

### **U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

Trichloroethylene Xylene ethylene glycol monobutyl ether Ethylbenzene

Clean Water Act (CWA) 307: Trichloroethylene; Ethylbenzene

Clean Water Act (CWA) 311: Xylene; Trichloroethylene; Ethylbenzene

Clean Air Act (CAA) 112 regulated toxic substances: Xylene; Trichloroethylene

All Components of this product are listed or exempt from listing on TSCA Inventory. **United States inventory (TSCA 8b)**: Not determined.

# State Regulations California Prop 65

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**WARNING:** This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Toluene; Benzene; Trichloroethylene; Ethylbenzene

#### Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.