

American Battery Metals Corporation

Preliminary Onsite Chemical Inventory - Lithium-ion Battery Recycling Facility December 20, 2020

2018 Code

Chemical	CAS #	Concentration	Max Onsite Volume			Max Onsite Mass		SDS Hazard Summary	
		wt %	m3	ft3	gallons	dry metric tonnes	lbs	HCS Class	Notes
Acorga M5640	NA	100	5.0	176.4	1,320.9	NA	NA	Cat 4, flammable liquid	
Calcium hydroxide	1305-62-0	10	5.0	176.4	1,320.9	NA	NA	Cat 2 Skin, Cat 1 Eye, Cat 3 Toxicity	
Cobalt sulfate	10026-24-1	20	100.0	3,528.8	26,417.2	20	44,000	Cat 4 Acute Toxicity, Cat 1, skin	
Copper sulfate	7758-98-7	20	100.0	3,528.8	26,417.2	20	44,000	Cat 4 Acute Toxicity, Cat 2, skin	
Cyanex 272	NA	100	40.0	1,411.5	10,566.9	NA	NA	Cat 2a Eye	
Cyanex 301	NA	100	20.0	705.8	5,283.4	NA	NA	Cat 4 Acute Toxicity, Cat 1B, skin	keep away from acids
Di-(2-ethylhexyl)phosphoric acid (DEHPA)	NA	100	5.0	176.4	1,320.9	NA	NA	Cat 4 Acute Toxicity, Cat 1C skin, Cat 1 corrosive to metals	
Hydrogen peroxide	7722-84-1	25	100.0	3,528.8	26,417.2	25	55,000	Cat 2 Oxidizer, Cat 4 Acute Toxicity, Cat 1 Eye	
Iron sulfate	7782-63-0	20	50.0	1,764.4	13,208.6	10	22,000	Not Hazardous	
Lithium hydroxide	1310-65-2	8	100.0	3,528.8	26,417.2	8	17,600	Cat 4 Acute Toxicity, Cat 1B skin, Cat 1 Eye	
Manganese sulfate	10034-96-5	30	100.0	3,528.8	26,417.2	30	66,000	Cat 2, Toxic repeated exposure	
Nickel sulfate	10101-97-0	20	200.0	7,057.5	52,834.4	40	88,000	Cat 2 Skin	
Orfom SX-12	64742-47-8	100	30.0	1,058.6	7,925.2	NA	NA	Cat 4 Flammable, Cat 2 Skin, Cat 1 Aspiration	
Sodium hydroxide	1310-73-2	8	100.0	3,528.8	26,417.2	15	33,000	Cat 1A skin, Cat 1 corrosive to metals , Cat 2A Eye	
Sodium hydroxide	1310-73-2	30	20.0	705.8	5,283.4	10	22,000	Cat 1A skin, Cat 1 corrosive to metals , Cat 1 Eye	
Sulfuric acid	7664-93-9	20	100.0	3,528.8	26,417.2	50	110,000	Cat 1A skin, Cat 1 corrosive to metals , Cat 1 Eye	
Sulfuric acid	7664-93-9	98	20.0	705.8	5,283.4	20	44,000	Cat 1A skin, Cat 1 corrosive to metals , Cat 1 Eye	
Calcium fluoride	7789-75-5	Solid	NA			5	11,000	Not Hazardous	
Calcium hydroxide	1305-62-0	Solid	NA			100	220,000	Cat 2 Skin, Cat 1 Eye, Cat 3 Toxicity	
Calcium phosphate	7758-87-4	Solid	NA			5	11,000	Not Hazardous	
Cobalt sulfate heptahydrate	10026-24-1	Solid	NA			100	220,000	Cat 4 Acute Toxicity, Cat 1, skin	
Iron sulfate	7782-63-0	Solid	NA			100	220,000	Not Hazardous	
Lithium hydroxide monohydrate	1310-65-2	Solid	NA			100	220,000	Cat 4 Acute Toxicity, Cat 1B skin, Cat 1 Eye	
Manganese sulfate monohydrate	10034-96-5	Solid	NA			100	220,000	Cat 2, Toxic repeated exposure	
Nickel sulfate hexahydrate	10101-97-0	Solid	NA			100	220,000	Cat 2 Skin	