

No	Description	Supplier/ manufacture	Qty.	unit	Location	MSDS	MSDS by	Disposition	Personal Protective Equipment	Handling and Storage
1	Lithium Metal	LITHCO	1,575	kgs.	Foil Room	Yes	Sciencelab.com		Gloves; full flame resistant face shield; synthetic apron; vapour and dust respirator.	Store in a cool and dry place (humidity below 50%) and keep away from water. Coat with mineral oil in open atmosphere and avoid ignition sources (heat, spark, flame and oxidizers).
2	Methanol	HCI Canada Inc.	15.8	kgs.	Foil Room	Yes	Honeywell		Gloves; goggles and face shield; flame retardant antistatic clothing	well ventilated place
3	One Coat Aluminum	Tremco Cleveland Ohio	18.9	ltrs.	Foil Room	Yes	Tremco		Gloves; protective clothing; eye and face protections	ventilation may be required
4	Thermo Plastic Rubber	Santopreme	500	kgs.	Foil Room	Yes	Advanced Elastomer System		Gloves; eye protection; respiratory protection (full face recommended)	keep container closed to prevent exposure to humidity
5	Ferric (111) Orthoposphate	Chemiche Fabrik Budenheim	1,940	kgs.	Foil Room	Yes	Madison Chemicals		Dust mask	maintain good ventilation
6	Ferric Sulphate	Eagle Brool Inc. Canada	317.8	kgs.	Foil Room	Yes	Chemtek Limited		Gloves; safety glasses; protective clothings	keep container tightly closed and store in cool and well ventilated area
7	KS6 Tmbrex SFG 15	Timcal America Inc.	285	kgs.	Foil Room	Yes	Timcal Graphite & Carbon		Gloves; safety goggles; protective clothing; respiratory protection	good ventilation
8	Resin	Epoxies	75	kgs.	Foil Room	Yes	Epoxies		Gloves and tightly sealed goggles	store at 25°C and ensure good ventilation
9	SP-5030	KMDC Japan	630	kgs.	Foil Room	Yes	Nippon Graphite Industries		Gloves and safety glasses	store indoor in dry atmosphere
10	Graphite P-RC20	Morgan AM & T	60	kgs.	Foil Room	Yes	Same as line number 40			
11	Silicon Carbide	Superior Graphite Co.	50	kgs.	Foil Room	Yes	Superior Graphite		Gloves, goggles and face shield; protective clothing; N95 dusk mask for limited exposure or air purifying respirator for prolonged exposure	Keep container closed and ensure adequate ventilation
12	Lithium Cobaltite	FMC Corp	30	kgs.	Foil Room	Yes	FMC		Safety glasses or goggles; rubber gloves; NIOSH/MSHA respirator for inorganic dust when engineering control are not adequate	Keep container closed and away from strong acids
13	Sodium Methoxide	Strem Chemicals Inc.	21	kgs.	Foil Room	Yes	Sciencelab.com		Gloves; splash goggles; synthetic apron; vapour and dust respirator	Keep container closed and sealed in a cool and ventilated area
14	CYCOLOY	GE Plastic Canada LTD	600	kgs.	Foil Room	Yes	GE Plastics		safety glasses; respirator approved for protection from organic vapours and acid control; well insulated gloves and face shields; long pants and long sleeves	Keep in a dry and cool place, avoid ignition sources
15	Lithium Carbonate	Port Cities LTD.	300	kgs.	Foil Room	Yes	Sciencelab.com		Splash goggles; lab coat; dust respirator and gloves	Keep container in cool and ventilated area; do not store above 25°C
16	KETJEN BLACK(Carbon Black)	Akzo Nobel	56	kgs.	Foil Room	Yes	Akzo Nobel Chemicals		Protective clothing and gloves; dust tight goggles	General plant ventilation is sufficient in most cases
17	Cobalt Hydroxide	Noah Technologies Corp.	95	kgs.	Foil Room	Yes	Stream Chemicals		Gloves and safety glasses	No special measures
18	Nickel Nitrate	NOT AVAILABLE	150	kgs.	Foil Room	Yes	Sciencelab.com		Splash goggle, lab coat and dust respirator	Keep container away from heat and sources of ignition
19	Manganese	Tronox	50	kgs.	Foil Room	Yes	Sciencelab.com		Gloves; protective clothings; safety glasses; lab coat; dust respirator	Keep container tightly closed in a cool and ventilated area
20	Nickel Nitrate Powder	American Element	100	kgs.	Foil Room	Yes	Sciencelab.com		Splash goggles; lab coat; dust respirator	Keep locked up and away from heat
21	Chemicals no label from Hanna	NOT AVAILABLE	5	barrels	Foil Room	No				
22	Magnesium Oxide	Marine Magnesium Co.	74.85	kgs.	Foil Room	Yes	Sciencelab.com		Safety glasses; lab coat; dust respirator	Keep container tightly closed in a cool and ventilated area; do not store above 34°C
23	Kynar	Elf Atochem, North America	80	kgs.	Foil Room	Yes	Elf Atochem, North America		NIOSH approved respiratory protection; gloves; safety glasses	Keep container tightly closed in a cool and away from heat, sparks and flames
24	Titanium Carbonitride	Hermann C Stark	105	kgs.	Foil Room	No				
25	NLITOH	Altairnano	204	kgs.	Foil Room	No				
26	Manganese Dioxide	Kerr-Mac-Gee Chemical	100	lbs	Foil Room	Yes	Sciencelab.com		Splash goggles; lab coat; dust respirator	Keep container tightly closed in a cool and ventilated area
27	Kynar 2801-00	Arkema Canada Inc.	142.8	kgs.	Foil Room	Yes	Atofina Canada		Safety glasses; impervious gloves	Keep in a closed container in a ventilated area
28	Premecrapites (Anode Powder)	Conoco Philips	120	gals.	Foil Room	Yes	Conoco Philips		Eye protection that meets or exceeds ANSI Z.87.1; gloves; N95 respirator	Keep container tightly closed in a cool, dry, well ventilated area away from sources of ignition
29	Elastopor	BASF	10	kgs.	Foil Room	Yes	BASF		NIOSH-certified organic vapour/particulate respirator; gloves; tightly sealed goggles and face shield; protective clothing	Avoid extreme heat; protect against freezing and moisture
30	Lithium Cobalt Nickel Manganese Oxide	BASF	10	kgs.	Foil Room	Yes	BASF		NIOSH-certified respirator; gloves; tightly sealed goggles; protective clothing	Keep container closed and dry in a cool place with adequate ventilation; avoid ignition sources
31	Insulation Paper		5	boxes	Foil Room	No				
32	143 Powder	DF Goldsmith Chemical & metal corp	80	lbs.	Foil Room	No				
33	Cellcore TX (see MSDS)	Umicore	100	kgs.	Foil Room	Yes	Umicore		Air-fed respirator, dust goggles and gloves	Keep container tightly closed; store in a dry, cool and well ventilated area
34	Lithium Cobalt Dioxide	Westain Corp	50	kgs.	Foil Room	Yes	Sherritt		Air purifying dust respirator, goggles, coverall and gloves	Keep container tightly closed; store in a dry, cool and well ventilated area
35	Elastopor P1001U Isocyanate	BASF	80	kgs.	Foil Room	Yes	BASF		Air purifying respirator, gloves, goggles, saran-coated material clothing	Keep away from water and protect against moisture
36	Lithium Cobalt Manganese Nickel Oxide	3 M	125	kgs.	Foil Room	Yes	3M		Safety glasses, gloves and protective clothing	Keep container tightly closed and away from heat and direct sunlight
37	Lithium Cobalt Oxide (Cellseed-10)	Nippon Chemical Ind. Co.	1,700	kgs.	Foil Room	Yes	Nippon Chemical Ind. Co.		Dust goggles, dust respirator, gloves and full length clothing	Ventilation and exhaust required to ensure specified exposure level
38	Lithium Cobalt Manganese Nickel Oxide	Beijing New Star	4,200	kgs.	Foil Room	Yes	Pony Lab (same as line #72)			
39						No				
40	Graphite P RC 20	Morgan AM & T	2,850	kgs.	Foil Room	Yes	Centre Testing International		Gloves, respiratory filter device, tightly sealed goggles, protective clothing	Keep container tightly sealed in a cool place away from acid, base and oxidizing agents
41	Elastopor P1001U Isocyanate	BASF	280	kgs.	Foil Room	No	same as line #35?			
42	KS6 Timrex synthetic Graphite	Timcal	285	kgs.	Foil Room	Yes	Timcal		Respiratory protection (see MSDS), gloves, safety glasses, pprotective clothing	Keep container tightly closed in a dry environment
43	Isocyanate Formulation	Epoxies	2,322	lbs	Foil Room	Yes	Epoxies		Gloves, protective clothing and tightly sealed goggles	Store container in a dry place between 24° to 41°C, protect from moisture
44	Graphite & Carbon Super Li	Timcal	135	kgs.	Foil Room	Yes	Timcal		Safety glasses, protective clothing, respiratory protection (see MSDS), gloves	Keep container tightly closed in a cool, dry and ventilated place. Do not store together with oxidizing agents
45	Electrolyte - Selectipur	FM Industries	65	kgs.	Chemical Room	No				
46	Magnesium Oxide	NYMOC	CHECK		Chemical Room	Yes	Acros Organics		Splash goggle, gloves and protective clothing, and OSHA approved respirator	Keep container tightly closed in a cool and dry place
47	Boron Oxide, Nanopowder	NYMOC	CHECK		Chemical Room	Yes	io-ii-tec nanomaterials		Safety goggles, particulate respirator, protective clothing and mask	Keep container close and store in a cool and dry place
48	Tissue Tek	Miles	CHECK		Chemical Room	Yes	Sakura Finetek USA		Gloves, splash goggles and lab coat	Keep container in a cool and well ventilated area
49	Manganese Dioxide	NYMOC	CHECK		Chemical Room	Yes	Sciencelab.com		Spash goggles, lab coat and dust respirator	Keep container tightly closed in a cool and well ventilated area
50	Ehtylene Carbonate (Sample)	Shanghai Foreign Trade Ent.Puddong Co. Ltd.	CHECK		Chemical Room	Yes	Sciencelab.com		Spalsh goggles, lab coat, gloves and dust respirator	Keep container tightly closed in a ventilated area
51	Silicon Carbide	Electro Abrasives	CHECK		Chemical Room	Yes	Sciencelab.com		Gloves, splash goggles, lab coat and an approved/certified dust respirator	Keep container tightly closed in a well ventilated area. Do not store above 24°C.
51	Silicon Carbide	Electro Abrasives	CHECK		Chemical Room	Yes	Electro Abrasives		Prevent formation of dust. Avoid breathing dust. Use only in well ventilated area	Store in cool, dry conditions in well sealed containers. Store in well ventilated area.
52	Lithium Cobaltite	FMC	CHECK		Chemical Room	Yes	Same as line number 12			
53	HMTAP	unidentified Supplier	CHECK		Chemical Room	No				
54	Alfa Aesar	A Johnson	CHECK		Chemical Room	No				
55	CPreme Graphites, Anode Powder	Conoco Philip	CHECK		Chemical Room	Yes	Same as line number 28			

56	Dimethyl Carbonate	Ferro	CHECK	Chemical Room	Yes	ScienceLab.com	Splash goggles, lab coat and gloves. Contact a specialist in case of a large spill.	Store in a segregated and approved area. Keep container tightly closed and sealed in a cool and well ventilated area. Maintain concentration of vapours below their threshold limit value and avoid sources of ignition (heat, sparks and flames)
57	Lithium Cobalt Oxide (Cellseed-10)	Nippon Chemical Ind. Co.	CHECK	Chemical Room	Yes	Same as line number 37		
58	Acetone	Brenntag Canada	CHECK	Chemical Room	Yes	Brenntag Canada	Splash goggles or full face shield; gloves and protective clothing in butyl rubber. NIOSH/MSHA approved respirator for organic vapours for concentration up to 1000ppm. Air-supplied respirator for higher concentrations.	Keep container sealed in a cool and well ventilated area. Use explosion proof ventilation and avoid sources of ignition (heat, sparks and flames). Maintain temperature below 40°C.
59	Carbon Black	Columbian Chemical	CHECK	Chemical Room	Yes	Aditya Birla	Maintain airborne dust concentrations below the occupational exposure limit or use approved particulate respirators. Gloves, safety glasses or goggles, protective clothing. Do not bring clothing home and wash them daily.	Store in a dry place away from ignition sources and strong oxidizers. Avoid exposure to dust concentrations above the occupational exposure limits. Test for oxygen in confined spaces.
60	Xylenes; dimethylbenzene; xylol	John E. Goudey Mfg. Ltd.	CHECK	Chemical Room	Yes	ScienceLab.com	Splash goggles, lab coat, gloves and approved/certified vapour respirator. Contact a specialist in case of a large spill.	Store in a segregated and approved area. Keep container tightly closed/sealed in a cool and well ventilated area. Avoid sources of ignition. Do not exceed occupational exposure limits.
61	Electrolyte - Sol Rite EF3	Mitsubishi Chemical Corp.	CHECK	Chemical Room	Yes	Mitsubishi Chemical Corp.	Rubber gloves, safety goggles, self-contained breathing apparatus or organic canister mask.	Keep container tightly closed with adequate ventilation in a closed system. Keep away from heat, sparks and flames. Wash thoroughly after handling.
62	Electrolyte - Novolyte	Novolyte Technologies	CHECK	Chemical Room	Yes	Novolyte Technologies	Do not wear contact lenses; safety goggles with side protection; eye wash bottle with pure water. Butyl gloves and long sleeved clothing. Gas filter type A respirator in case of insufficient ventilation	Keep container tightly closed in a dry, cool and well ventilated area. Keep from freezing. Keep away from heat and sources of ignition. Take measures against static discharges.
63	Anode Materials (Samples)	FMC	CHECK	Chemical Room	No	Same as lines 28 and 55?		
64	Isopropyl Alcohol	Bryce Laboratories	CHECK	Chemical Room	Yes	ScienceLab.com	Splash goggles, lab coat, gloves and approved/certified vapour respirator. Contact a specialist in case of a large spill.	Store in a segregated and approved area. Keep tightly closed container in a cool and well ventilated area. Avoid all sources of ignition and keep away from heat.
65	PolyI	Epic Resins	CHECK	Chemical Room	Yes	Epic Resins	Splash goggles and/or face shield, gloves, respirator if ventilation is not adequate	Keep dry and store in closed container. provide adequate ventilation/local exhaust.
66	Elastopor P1001U Isocyanate	BASF	CHECK	Chemical Room	Yes	same as line #35		
67	Urethane Polyol	Eaton Crouse-Hinds	CHECK	Chemical Room	Yes	Eaton Crouse-Hinds	Safety glasses or goggles, gloves and respirators if ventilation is not adequate.	Keep container sealed and store in a well ventilated area.
68	Rubber mold compound spray	PMC Smooth on Inc	CHECK	Chemical Room	no			
69	Dimethyl Carbonate	Ferro	CHECK	Chemical Room	Yes	same as line #56		
70	Isoprep 188	MacDemid Chemical Inc.	CHECK	Chemical Room	Yes	MacDemid Chemical Inc.	PVC coated apron, boots and gloves. Splash goggles and face shield. Approved/certified respirator if ventilation is not adequate.	Keep container sealed and store below 50°C. Avoid corrosive materials and flammable oxidizers.
71	Lithium Metal	FMC Chemicals	CHECK	Chemical Room	Yes	FMC Chemicals	Gloves; full flame resistant face shield; synthetic apron; vapour and dust respirator.	Store in a cool and dry place (humidity below 50%) and keep away from water. Coat with mineral oil in open atmosphere and avoid ignition sources (heat, spark, flame and oxidizers).
72	Lithium Cobalt Nickel Manganese Oxide	BASF	CHECK	Chemical Room	Yes	BASF (same as line #38)	Gloves, tightly fitting goggles and approved/certified respirator if ventilation is not adequate. Protective clothing.	Keep container tightly closed and store in a cool and dry place. Provide adequate ventilation and avoid ignition sources.
73	Pitch Coke	Nippon Steel Chemical Ltd.	CHECK	Chemical Room	Yes	Nippon Steel Chemical Ltd.	Gloves, protective clothing, dust tight goggles and dust respirator.	Keep container tightly sealed to prevent dust and moisture absorption. Store in a clean and dry area and on a flat bed to avoid seepage.
74	Urethane mold release (E236, E455, E497)	Stoner Inc.	CHECK	Chemical Room	Yes	Stoner Inc.	Gloves, goggles and face shield, approved/certified respirator if ventilation is not adequate. Do not wear high contact lenses.	Store in a cool, dry and well ventilated area away from sources of ignition. Do not store above 49°C. Keep away from oxygen cylinder.
75	Kynar R 301F-PWDPVDF	Arkema Inc.	CHECK	Material Storage	Yes	Arkema Inc.	Gloves, goggles, respiratory protection if necessary.	Keep container tightly closed and store in a cool and dry place. Avoid damage to the container.
76	Kynar R HSV900PWD	Arkema Inc.	CHECK	Material Storage	Yes	Arkema Inc.	Gloves, goggles, respiratory protection if necessary.	Keep container tightly closed and store in a cool and dry place. Avoid damage to the container.
77	Lithium Aluminum Alloy Foil	FMC Lithium	CHECK	Material Storage	Yes	FMC Lithium	Gloves; full flame resistant face shield; synthetic apron; vapour and dust respirator.	Store in a cool and dry place (humidity below 50%) and keep away from water. Coat with mineral oil in open atmosphere and avoid ignition sources (heat, spark, flame and oxidizers).
Note								
All gloves to be impervious chemical resistant gloves								
All goggles to be chemical goggles								