

1. PRODUCT IDENTIFICATION

Product Name	Century Yuasa 12V LFP 200AH Compact Lithium Battery	
Other Names	Lithium-ion batteries (including lithium-ion polymer batteries)	
Recommended Use of the Chemical and Restrictions on Use	Energy storage	
Details of Manufacturer or Importer	Distributed in Australia by: Century Yuasa Batteries 37-65 Cobalt Street Carole Park. QLD. 4300.	Distributed in New Zealand by: Century Yuasa Batteries 259 Church Street Onehunga. Auckland 1061
Emergency Telephone Number	07 3361 61 61	0800 93 93 93

2. HAZARD(S) IDENTIFICATION

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

GHS Classification Acute Toxicity (Oral) Category 3, Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation, Category 1, Germ Cell Mutagenicity Category 1A, Specific Target Organ Toxicity - Repeated Exposure Category 2, Hazardous to the Aquatic Environment Long-Term Hazard Category 2

GHS Label Elements



Signal Word

DANGER

IN THE EVENT OF INTERNAL CONTENTS EXPOSED

Hazard Statement(s)	H301	Toxic if swallowed.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H340	May cause genetic defects.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H411	Toxic to aquatic life with long lasting effects.

IN THE EVENT OF INTERNAL CONTENTS EXPOSED

Precautionary Statement(s)	P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children
General	P103	Read carefully and follow all instructions
Precautionary Statement(s)	P201	Obtain special instructions before use.
	P260	Do not breathe dust/fume.
Prevention	P264	Wash all exposed external body areas thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves, protective clothing, eye protection and face protection.
	P273	Avoid release to the environment.
	P272	Contaminated work clothing should not be allowed out of the workplace.
Precautionary Statement(s) Response	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	IF exposed or concerned: Get medical advice/ attention.
	P330	Rinse mouth.
	P302+P352	IF ON SKIN: Wash with plenty of water and soap.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364 P391	Take off contaminated clothing and wash it before reuse.
Precautionary Statement(s) Storage	P405	Collect spillage. Store locked up
Precautionary Statement(s) Disposal	P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	Identification	Content % weight
Lithium Ion Phosphate (LiFePO4)	15365-14-7	23-24
Iron (Fe)	7439-89-6	14-15
Silica amorphous (xSiO2.yH2O)	112926-00-8	14
Copper (Cu)	7440-50-8	4-5
Graphite (C ₂₄ X ₁₂)	7782-42-5	10-12
Aluminium (Al)	7429-90-5	5-10
ethyl methyl carbonate	623-53-0	6-8
ethylene carbonate	96-49-1	5-7
styrene/ butadiene/ acrylonitrile copolymer (C ₁₅ H ₁₇ N)	9003-56-9	3
polyethylene	9002-88-4	1-2
lithium fluorophosphate	21324-40-3	1-2
Ingredients determined not to be hazardous	N/A	6-11

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

The chemicals in this product are contained in a sealed package. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

Eye Contact	Generally, not applicable. If this product comes in contact with eyes: <ul style="list-style-type: none"> Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	Generally, not applicable. If skin or hair contact occurs: <ul style="list-style-type: none"> Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	Generally not applicable. <ul style="list-style-type: none"> If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	Generally not applicable. Not considered a normal route of entry. <ul style="list-style-type: none"> If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.
Symptoms Caused by Exposure	Treat symptomatically.
Medical Attention and Special Treatment	No special instructions specified.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment	Water	CO ₂	Dry Chemical Powder	Foam	BCF/ Vaporising Liquid	Class D	Li-Ion Battery
	✗	✓	✓	✗	✓	✓	✓
Specific Hazards Arising from the Chemical	Slight hazard when exposed to heat, flame and oxidisers.						
Fire/Explosion Hazard	Non combustible. Not considered to be a significant fire risk.						

Heating may cause expansion or decomposition leading to violent rupture of containers.
 May emit acrid smoke. May emit corrosive and poisonous fumes.
 Articles and manufactured articles may constitute a fire hazard where polymers form their outer layers or where combustible packaging remains in place.
 Certain substances, found throughout their construction, may degrade or become volatile when heated to high temperatures. This may create a secondary hazard

Hazchem Code 2Y

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures In case of rupture, avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in sections 7 and 8.

Environmental Precautions Prevent product from contaminating soil and from entering sewers or waterways.

Methods and Materials for Containment and Cleaning Up

Minor Spills

- Clean up all spills immediately.
- Avoid contact with skin and eyes.
- Place in suitable containers for disposal.

Major Spills

- Clean up all spills immediately.
- Wear protective clothing, safety glasses, dust mask, gloves.
- Secure load if safe to do so. Bundle/collect recoverable product.
- Use dry clean up procedures and avoid generating dust.
- Vacuum up (consider explosion-proof machines designed to be grounded during storage and use).
- Water may be used to prevent dusting.
- Collect remaining material in containers with covers for disposal.
- Flush spill area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

- Do not connect the positive terminal to the negative terminal with electrical wire or chain. Avoid polarity reverse connection when installing the battery to an instrument.
- Do not wet the battery with water, seawater or acid; or expose to strong oxidizer.
- Do not damage or remove the external tube.
- Keep the battery away from heat and fire.
- Do not disassemble or reconstruct the battery; or solder the battery directly.
- Do not give a mechanical shock or deform.
- Do not use unauthorized charger or other charging method.
- Use good occupational work practice.
- Observe manufacturer's storage and handling recommendations contained within this SDS.
- Avoid physical damage to containers.

Other information

- Keep dry.
- Store under cover.
- Protect containers against physical damage.
- Observe manufacturer's storage and handling recommendations contained within this SDS.
- Keep out of reach of children.
- Store out of direct sunlight
- Store away from incompatible materials.

Conditions for Safe Storage

Suitable container

- Generally packaging as originally supplied with the article or manufactured item is sufficient to protect against physical hazards.
- If repackaging is required ensure the article is intact and does not show signs of wear. As far as is practicably possible, reuse the original packaging or something providing a similar level of protection to both the article and the handler.

Storage Incompatibility ✓ = May be stored together ⓘ = May be stored together with specific preventions ✗ = Must not be stored together



8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Control Measures - This product presents no health hazards to the user when used according to label directions for its intended purposes


Source	Ingredient	Material name	TWA	STEL	peak	Notes
Australia Exposure Standards	silica amorphous	Silica - Amorphous: Diatomaceous earth (uncalcined)	10 mg/m3	Not Available	Not Available	This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	silica amorphous	Silica - Amorphous: Fume (thermally generated) (respirable dust)	2 mg/m3	Not Available	Not Available	Containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	silica amorphous	Silica, fused	0.05 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	silica amorphous	Silica - Amorphous: Silica gel	10 mg/m3	Not Available	Not Available	This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	silica amorphous	Silica - Amorphous: Precipitated silica	10 mg/m3	Not Available	Not Available	This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	silica amorphous	Silica - Amorphous: Fumed silica (respirable dust)	2 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	graphite	Graphite (all forms except fibres) (respirable dust) (natural & synthetic)	3 mg/m3	Not Available	Not Available	Containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	aluminium	Aluminium (metal dust)	10 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	aluminium	Aluminium (welding fumes) (as Al)	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	aluminium	Aluminium, pyro powders (as Al)	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	copper	Copper, dusts & mists (as Cu)	1 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	copper	Copper (fume)	0.2 mg/m3	Not Available	Not Available	Not Available

Ingredient	TEEL-1	TEEL-2	TEEL-3
iron	3.2 mg/m3	35 mg/m3	150 mg/m3
silica amorphous	18 mg/m3	200 mg/m3	1,200 mg/m3
silica amorphous	18 mg/m3	100 mg/m3	630 mg/m3
silica amorphous	120 mg/m3	1,300 mg/m3	7,900 mg/m3
silica amorphous	45 mg/m3	500 mg/m3	3,000 mg/m3
silica amorphous	18 mg/m3	740 mg/m3	4,500 mg/m3
graphite	6 mg/m3	330 mg/m3	2,000 mg/m3
ethylene carbonate	30 mg/m3	330 mg/m3	2,000 mg/m3
copper	3 mg/m3	33 mg/m3	200 mg/m3
polyethylene	16 mg/m3	170 mg/m3	1,000 mg/m3
lithium fluorophosphate	7.5 mg/m3	83 mg/m3	500 mg/m3

Biological Monitoring Not required


- Engineering Controls
- General exhaust is adequate under normal operating conditions.
 - Articles or manufactured items, in their original condition, generally don't require engineering controls during handling or in normal use.
 - Exceptions may arise following extensive use and subsequent wear, during recycling or disposal operations where substances, found in the article, may be released to the environment.

Personal Protection




Respirator Type

- Not normally required with normal use.
- OTHERWISE: A-AUS P2




Eye Protection

- None under normal operating conditions.
- OTHERWISE: Safety glasses.




Clothing

- Not normally required with normal use.
- In case of battery leaking, protective clothing.



Glove Type

- None under normal operating conditions.
- OTHERWISE: Rubber Gloves.



Footwear

- None under normal operating conditions.
- OTHERWISE: rubber Gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Lithium-ion battery, odorless ; Insoluble in water.		
Odour	Not Available	Lower explosive limits	Not Applicable
Odour threshold	Not Available	Vapour pressure (kPa)	Not Applicable

pH	Not Applicable	Vapour density (Air = 1)	Not Applicable
Melting point/ freezing point (°C)	Not Applicable	Relative density (Water = 1)	Not Applicable
Initial boiling point and boiling range (°C)	Not Available	Solubility in water (g,L)	Immiscible
Flash point	Not Applicable	Partition coefficient: n- octanol/water	Not Available
Evaporation rate	Not Applicable	Auto-ignition temperature	Not Applicable
Flammability	Not Applicable	Decomposition temperature (°C)	Not Available
Upper explosive limits	Not Applicable	Viscosity	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity	Not available	Chemical stability	Product is considered stable under recommended storage conditions
Possibility of hazardous reactions	None under normal process.	Conditions to avoid	Heating, mechanical abuse and electrical abuse.
Incompatible materials		Hazardous decomposition products	Carbon oxides

11. TOXICOLOGICAL INFORMATION ACUTE EFFECTS

No adverse health effects expected if the product is handled in accordance with this safety data sheet and the product label.

Symptoms or effects that may arise if the product ruptures are:-

Inhaled	Inhalation of vapours or fumes released due to heat or a large number of leaking batteries may cause respiratory and eye irritation
Ingestion	<p>Toxic effects may result from the accidental ingestion of the material; animal experiments indicate that ingestion of less than 40 gram may be fatal or may produce serious damage to the health of the individual.</p> <p>Lithium, in large doses, can cause dizziness and weakness. If a low salt diet is in place, kidney damage can result.</p> <p>Acute toxic responses to aluminium are confined to the more soluble forms.</p> <p>Ingestion of finely divided carbon may produce gagging and constipation. Aspiration does not appear to be a concern as the material is generally regarded as inert and is often used as a food additive.</p> <p>A metallic taste, nausea, vomiting and burning feeling in the upper stomach region occur after ingestion of copper and its derivatives. The vomitus is usually green/blue and discolours contaminated skin.</p> <p>As absorption of phosphates from the bowel is poor, poisoning this way is less likely. Effects can include vomiting, tiredness, fever, diarrhoea, low blood pressure, slow pulse, cyanosis, spasms of the wrist, coma and severe body spasms.</p>
Skin contact	<p>This material can cause inflammation of the skin on contact in some persons.</p> <p>The material may accentuate any pre-existing dermatitis condition</p> <p>Though considered non-harmful, slight irritation may result from contact because of the abrasive nature of the aluminium oxide particles. Thus it may cause itching and skin reaction and inflammation.</p> <p>The diepoxide of butadiene has been reported to cause mild effect of causing skin tumours in mice when applied topically on its skin.</p> <p>Irritation and skin reactions are possible with sensitive skin</p> <p>Open cuts, abraded or irritated skin should not be exposed to this material</p> <p>Exposure to copper, by skin, has come from its use in pigments, ointments, ornaments, jewellery, dental amalgams and IUDs (intra-uterine devices), and in killing fungi and algae. Although copper is used in the treatment of water in swimming pools and reservoirs, there are no reports of toxicity from these applications.</p> <p>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.</p>

Eye If applied to the eyes, this material causes severe eye damage. Eyes exposed to carbon particulates may be liable to irritation and burning. These can remain in the eye causing inflammation lasting weeks, and can cause permanent dark dotted discoloration. Copper salts, in contact with the eye, may produce inflammation of the conjunctiva, or even ulceration and cloudiness of the cornea.

Chronic effects Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Animal testing shows long term exposure to aluminium oxides may cause lung disease and cancer, depending on the size of the particle. The smaller the size, the greater the tendencies of causing harm. Amorphous silicas generally are less hazardous than crystalline silicas, but the former can be converted to the latter on heating and subsequent cooling. Inhalation of dusts containing crystalline silicas may lead to silicosis, a disabling lung disease that may take years to develop. Exposure to large doses of aluminium has been connected with the degenerative brain disease Alzheimer's Disease. Prolonged or repeated inhalation of dust may cause lung disease. Graphite workers have reported symptoms of headaches, coughing, depression, low appetite, difficult breathing and black sputum. Workers suffering from this have generally worked in the industry for long periods, (10 years or more), although some cases have been reported after as little as four years. Lithium compounds can affect the nervous system and muscle. This can cause tremor, inco-ordination, spastic jerks and very brisk reflexes. There is insufficient evidence to suggest that exposure to carbon black causes increased susceptibility to cancer or other ill effects. Some lung changes can occur after a prolonged period of exposure as well as increased strain on the right side of the heart. Soluble silicates do not exhibit sensitizing potential. Testing in bacterial and animal experiments have not shown any evidence of them causing mutations or birth defects. For copper and its compounds (typically copper chloride): Acute toxicity: There are no reliable acute oral toxicity results available. Animal testing shows that skin in exposure to copper may lead to hardness of the skin, scar formation, exudation and reddish changes. Inflammation, irritation and injury of the skin were noted. Repeat dose toxicity: Animal testing shows that very high levels of copper monochloride may cause anaemia. Genetic toxicity: Copper monochloride does not appear to cause mutations in vivo, although chromosomal aberrations were seen at very high concentrations in vitro. Cancer-causing potential: There was insufficient information to evaluate the cancer-causing activity of copper monochloride. Occupational exposure to 1,3-butadiene, enhanced or caused cancer at different body sites with significant associated mortality, in animal testing and on the basis of human data. The predominant tumours are lymphomas, cancers of the testes, stomach and intestines, breast, thyroid, pancreas, throat and womb. Chronic excessive intake of iron have been associated with damage to the liver and pancreas. People with a genetic disposition to poor control over iron are at an increased risk. Sodium phosphate dibasic can cause stones in the kidney, loss of mineral from the bones and loss of thyroid gland function. Some evidence exists that this material can cause serious damage if one is exposed to it for long periods. It can be assumed that it contains a substance which can produce severe defects.

Acute Toxicity	Skin Irritation / Corrosion	Serious Eye Damage / Irritation	Respiratory Or Skin Sensitisation	Mutagenicity	Carcinogenicity	Reproductivity	Stot - Single Exposure	Stot - Repeated Exposure	Aspiration Hazard
✓	✓	✓	✓	✓	✗	✗	✗	✓	✗

✓ = Data required to make classification available ✗ = Data either not available or does not fill the criteria for classification

12. ECOLOGICAL INFORMATION

Degradability	Ingredient	Persistence: Water/Soil	Persistence: Air
	silica amorphous	LOW	LOW
	ethyl methyl carbonate	HIGH	HIGH
	ethylene carbonate	HIGH	HIGH
	polyethylene	LOW	LOW
Bio-accumulative Potential	Ingredient	Bioaccumulation	
	silica amorphous	LOW (LogKOW = 0.5294)	
	ethyl methyl carbonate	LOW (LogKOW = 0.7247)	
	ethylene carbonate	LOW (LogKOW = -0.3388)	
	polyethylene	LOW (LogKOW = 1.2658)	
Mobility in Soil	Ingredient	Mobility	
	silica amorphous	LOW (KOC = 23.74)	
	ethyl methyl carbonate	LOW (KOC = 15.22)	
	ethylene carbonate	LOW (KOC = 9.168)	
	polyethylene	LOW (KOC = 14.3)	

15. REGULATORY INFORMATION

lithium iron phosphate is found on the following regulatory lists	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 4 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 5 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 6 International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured - Nanomaterials (MNMS)
iron is found on the following regulatory lists	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 2 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 4 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 5 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 6 Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured - Nanomaterials (MNMS)
silica amorphous is found on the following regulatory lists	Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Model Work Health and Safety Regulations - Hazardous chemicals (other than lead) requiring health monitoring Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
graphite is found on the following regulatory lists	Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
aluminium is found on the following regulatory lists	Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
ethyl methyl carbonate is found on the following regulatory lists	Not Applicable
ethylene carbonate is found on the following regulatory lists	Australian Inventory of Industrial Chemicals (AIIC)
copper is found on the following regulatory lists	Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 4 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 5 Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) Schedule 6 Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
styrene/ butadiene/ acrylonitrile copolymer is found on the following regulatory lists	Australian Inventory of Industrial Chemicals (AIIC) International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
polyethylene is found on the following regulatory lists	Australian Inventory of Industrial Chemicals (AIIC) International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
lithium fluorophosphate is found on the following regulatory lists	Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

16. ANY OTHER RELEVANT INFORMATION

Revision Information	1	Date	October 2022
Abbreviations			
PC—TWA:	Permissible Concentration-Time Weighted Average		
PC—STEL:	Permissible Concentration-Short Term Exposure Limit		
IARC:	International Agency for Research on Cancer		
STEL:	Short Term Exposure Limit		
TEEL:	Temporary Emergency Exposure Limit		
IDLH:	Immediately Dangerous to Life or Health Concentrations		
ES:	Exposure Standard		

OSF:	Odour Safety Factor
NOAEL :	No Observed Adverse Effect Level
LOAEL:	Lowest Observed Adverse Effect Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio-Concentration Factors
BEI:	Biological Exposure Index
AIIC:	Australian Inventory of Industrial Chemicals
DSL:	Domestic Substances List
NDSL:	Non-Domestic Substances List
EINECS:	European Inventory of Existing Commercial chemical Substances
ELINCS:	European List of Notified Chemical Substances
NLP:	No-Longer Polymers
ENCS:	Existing and New Chemical Substances Inventory
NZIoC:	New Zealand Inventory of Chemicals
TSCA:	Toxic Substances Control Act
NCI:	National Chemical Inventory

References

IATA Lithium Battery Guidance Document (2021)
 IMDG Code (incorporating amendment 39-18)
 SafeWork Australia Workplace Exposure Standards for Airborne Contaminants (19 December 2019)
 WorkSafe New Zealand Workplace exposure standards and biological exposure indices Ed 12-1 (November 2020)

ACGIH Threshold Limit Values <https://www.osha.gov/annotated-pels/note> (accessed May 2021)