



Section 1. Product and Company Identification.

1.1 Model Number; CP3003BP v1
1.2 Description; Cordless Power Tool Battery 19.2V for CP3001 & CP3003
Battery: 19 Volts. 2 Ah. 1.048 kilograms.

1.3 Manufacturer;

Sealey Group.
Kempson Way,
Bury St. Edmunds,
Suffolk.
IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 7 January 2014

Section 2. Hazards Identification.

Battery is hermetically sealed and does not present a hazard under normal conditions of use.
Inappropriate handling and / or use can cause electrolyte to leak.

Ingestion: Contents of an open battery can cause chemical burns of mouth, oesophagus, and gastrointestinal tract.
Inhalation: Contents of an open battery can cause respiratory irritation.
Skin Contact: Contents of an open battery can cause skin irritation.
Eye Contact: Contents of an open battery can cause irritation.



Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements
Nickel, Nickel Compounds	7440-02-0	15-40%	Carc. 2 Skin Sens. 1 Carc. Cat. 1 R49 R43 R53	H351 H317
Cadmium, Cadmium Compounds	7440-43-9	10-40%	Pyr. Sol. 1 Carc. 1B Muta. 2 Repr. 2 Acute Tox. 2 * STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1 F; R17 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62-63 T+; R26 T; R48/23/25 N; R50-53	H250 H350 H341 H361 H330 H372 H400 H410
Cobalt Compounds	7440-48-4	0-3%	Resp. Sens. 1 Skin Sens. 1 Aquatic Chronic 4 R42/43 R53	H334 H317 H413
Carbon Black	1333-86-4	0-1%		
Iron	7439-89-6	20-65%		
Potassium Hydroxide	1310-58-3	0-5%	Acute Tox. 4 Skin Corr. 1A Xn; R22 C; R35	H302 H314
Sodium Hydroxide	1310-73-2			
Lithium Hydroxide	1310-65-2			

For full text of Phrases and Statements, see Section 16.



Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation

Move casualty to fresh air.

Ensure that person is warm.

If symptoms persist, seek immediate medical attention.

If mouth to mouth resuscitation is necessary, use barrier to prevent contamination.

Avoid direct contact with skin.

Skin Contact

Wash off immediately with soap and plenty of water.

Remove all contaminated clothes and shoes.

If symptoms persist, seek immediate medical attention.

Eye Contact

Immediately flush with plenty of water.

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Keep eye wide open while rinsing.

Seek immediate medical attention immediately.

Ingestion

Seek immediate medical attention immediately.

Do not induce vomiting.

Never give anything by mouth to an unconscious person.

Protection of First Aiders:

Use personal protective equipment.

Avoid contact with skin, eyes and clothing.

Ensure that medical personnel are aware of the material(s) involved.

Ensure that medical personnel take precautions to protect themselves and prevent spread of contamination.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Dry sand, chemical powder fire extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Acrid or harmful fume is emitted during fire.

5.3. Advice for fire-fighters

Wear suitable protective equipment



Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized persons from entering area.
Remove leaked materials with protective equipment

6.2. Environmental precautions

Do not dispose into the environment.

6.3. Methods and material for containment and cleaning up

Dilute leaked electrolyte with water and neutralize with diluted sulphuric acid.
Remove leaked solid to a container.
Area affected by leak; flush fully with water.

6.4. Reference to other sections

See Section 7 for information on Safe Handling
See Section 8 for information of Personal Protective Equipment.
See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling

Technical measures

Prevention of user exposure:	Not necessary under normal use.
Prevention of fire and explosion:	Not necessary under normal use.
Precaution for safe handling:	Do not damage or remove the external tube.
Specific safe handling advice:	Never dispose of cells in a fire or expose to high temperatures. Do not soak cells in water and seawater. Do not expose to strong oxidizers. Do not give a strong mechanical shock or throw down. Never disassemble, modify or deform.

Do not connect the positive terminal to the negative terminal with electrically conductive material.
Use only dedicated charger.

7.2. Conditions for safe storage, including any incompatibilities

Avoid direct sunlight, high temperature, high humidity.
Store in cool place (-30 ~ 35 °C, humidity : 45 ~ 85%).

7.3. Specific end use(s)

Intended for use as battery: Model Number identified in 1.1 with Description stated in 1.2.



Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

In the event of battery rupture and leakage:

Ventilate the area.

Remove sources of ignition.

8.2. Exposure controls

The use of Personal Protective Equipment (PPE) is not necessary under conditions of normal use.

If handling a leaking or ruptured battery, ensure that the following Personal Protective Equipment (PPE) is used.

Eye/Face Protection

Chemical grade full face shield

Skin Protection

Acid resistant, natural rubber or neoprene gloves.

Protective rubber apron

Appropriate Personal Protection with long sleeves and long trousers.

Respiratory Protection

Acid gas filter mask or self-contained breathing apparatus.



Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Physical state: Solid Form: Cylindrical Color: Metallic color (without tube)
(b) Odour:	No odour.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	No information available.
(f) Initial boiling point and boiling range;	No information available.
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	No information available.
(l) Vapour density;	No information available.
(m) Relative density;	about 2.4~4.0g/cm ³
(n) Solubility(ies);	Insoluble in water
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

9.2 Other information No information available



Section 10. Stability and Reactivity.

10.1. Reactivity	No information available
10.2. Chemical stability	Stable under normal use
10.3. Possibility of hazardous reactions	Misuse will cause oxygen of hydrogen accumulation and internal pressure rise. Gasses will be emitted. Gasses are flammable. Gasses will ignite if exposed to flame. Batteries heated by surrounding fire will emit acrid and harmful fumes.
10.4. Conditions to avoid	Direct sunlight, high temperature and high humidity.
10.5. Incompatible materials	Conductive materials, water, seawater, strong oxidizers and strong acids.
10.6. Hazardous decomposition products	Acrid or harmful fume is emitted during fire.

Section 11. Toxicological Information.

11.1. Information on toxicological effects
No information available.

Section 12. Ecological Information.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	No information available.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	No information available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Disposal of the battery must be in accordance with local authority regulations.

The battery should be completely discharged prior to disposal and the terminals taped or capped to prevent short circuit.

Do not dispose of batteries with household waste.

Do not dispose of batteries at landfill sites.

Do not incinerate batteries.



Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

Not subject to ADR.

IATA. International Air Transport Association.

Special Provision A123.

Batteries not otherwise listed as Dangerous Goods concerning transport by air, no UN Code refers.

Examples of such batteries are (but not restricted to) alkali-manganese, zinc-carbon and nickel cadmium batteries.

Any electrical battery or battery powered device, equipment or vehicle having the potential of a dangerous evolution of heat must be prepared for transport so as to prevent:

(a) a short circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or in the case of equipment, by the disconnection of the battery and protection of exposed terminals); and

(b) accidental activation.

The statement "Not restricted, as per Special Provision A123" must be included in the description of the article on the Air Waybill when required.

IMDG. International Maritime Dangerous Goods.

Not subject to IMDG.

Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available.

15.2. Chemical safety assessment

No information available.



Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

- H250 Catches fire spontaneously if exposed to air.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

- R17 Spontaneously flammable in air.
- R23 Toxic by inhalation.
- R25 Toxic if swallowed.
- R26 Very toxic by inhalation.
- R42 May cause sensitization by inhalation.
- R43 May cause sensitisation by skin contact.
- R45 May cause cancer.
- R48 Danger of serious damage to health by prolonged exposure.
- R50 Very toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R62 Possible risk of impaired fertility.
- R63 Possible risk of harm to the unborn child.
- R68 Possible risk of irreversible effects.
- R49 May cause cancer by inhalation.
- R53 May cause long-term adverse effects in the aquatic environment.

The above information is believed to be accurate and represents the best information currently available.
 No warranty is expressed or implied by the above information.
 We assume no liability resulting from use of the above information.
 The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	13/07/15	First issue.
2	11/08/16	Sections 1.2, 2, 3, 8, 11, 14

End of Safety Data Sheet.