



## Section 1. Product and Company Identification.

**1.1 Model Number;** CP3002BP v2  
**1.2 Description;** Cordless Power Tool Battery 19.2V for CP3004  
Battery: 19.2 Volts. 2 Ah. 1 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;** 07 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	Classification	
			Hazard Class & Category Code	Hazard Statements
Iron	7439-89-6	20 - 65%	Self-heat. 1 Eye Irrit. 2 STOT SE 2	H251 H319 H371
Nickel	7440-02-0	15 - 40%	Carc. 2 Skin Sens. 1	H351 H317
Cadmium	7440-43-9	10 - 40%	Carc. 1B Muta. 2 Repr. 2 Acute Tox. 2 STOT RE 1	H350 H341 H361 H330 H372
Potassium Hydroxide	1310-58-3	0 - 5%	Met. Corr. 1 Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1A Eye Dam. 1 STOT SE 1	H290 H302 H304 H314 H318 H370
Sodium Hydroxide	1310-73-2		Met. Corr. 1 Acute Tox. 4 Skin Corr. 1A Eye Dam. 1 STOT SE 3	H290 H312 H314 H318 H335
Lithium Hydroxide	1310-65-2		Acute Tox. 3 Skin Corr. 1A Lact. Aquatic Chronic 3	H301 H314 H362 H412
Cobalt	7440-48-4	0 - 3%	Acute Tox. 4 Skin Sens. 1 Eye Irrit. 2 Acute Tox. 1 Resp. Sens. 1B Carc. 1B Repr. 1B Aquatic Acute 1 Aquatic Chronic 1	H302 H317 H319 H330 H334 H350 H360 H400 H410
Carbon Black	1333-86-4	0 - 1%	Flam. Sol. 2 Eye Irrit. 2 STOT SE 3 Carc. 2	H228 H319 H335 H351

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



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Move person to fresh air.

Seek medical attention immediately.

#### Skin Contact

Remove contaminated clothes and shoes immediately.

Wash the adherence or contact region with soap and plenty of water.

#### Eye Contact

Immediately flush the eyes with water continuously for at least 15 minutes.

Seek medical attention immediately.

#### Ingestion

Do not induce vomiting.

Seek medical attention immediately.

### 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.

### 5.2. Special hazards arising from the substance or mixture

Acrid or harmful fumes are emitted during fire.

### 5.3. Advice for fire-fighters

For personal protective equipment, see Section 8.



## Section 6. Accidental Release Measures.

### 6.1. Personal precautions, protective equipment and emergency procedures

In the event of battery rupture and leakage,

- Ventilate the area.
- Wear appropriate protective clothing (see Section 7) to prevent eye and skin contact and to prevent inhalation of vapours or fumes.
- Remove sources of ignition.

### 6.2. Environmental precautions

No information available.

### 6.3. Methods and material for containment and cleaning up

Absorb released materials with inert absorbent (dry sand or soil).

Collect released materials into sealed plastic bag or container.

Prevent material from contaminating soil or entering sewers or waterways.

Do not dispose of released materials with domestic waste

Do not allow product to enter ground water, water course or sewerage system.

Dispose of released materials in accordance with local authority regulations.

### 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

Do not damage or remove the external tube.

Never throw out 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.

### 7.2. Conditions for safe storage, including any incompatibilities

Avoid direct sunlight, high temperature, and high humidity.

### 7.3. Specific end use(s)

Intended for use as the battery for the 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:	Cylindrical solid - Metallic colour (without tube)
(b) Odour:	Odourless.
(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 <sup>3</sup>
(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 can lead to increased internal pressure and leaking flammable gases.
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 fumes are emitted during fire.

## Section 11. Toxicological Information.

11.1. Information on toxicological effects  
No information available.

## Section 12. Ecological Information.

No information available.



## Section 13. Disposal Considerations.

Disposal of the battery must be in accordance with local authority regulation requirements for hazardous waste treatment and hazardous waste transportation.

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

## 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;

- H228: Flammable solid.
- H251: Self-heating: may catch fire.
- H290: May be corrosive to metals.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H314: Cause severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335: May cause respiratory irritation.
- H341: Suspected of causing genetic defects.
- H350: May cause cancer.
- H351: Suspected of causing cancer.
- H360: May damage fertility or the unborn child.
- H361: Suspected of damaging fertility or the unborn child.
- H362: May cause harm to breast-fed children.
- H370: Causes damage to organs through prolonged or repeated exposure.
- H371: May cause damage to organs.
- 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.
- H412: Harmful to aquatic life with long lasting effects.

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	24/03/15	First issue.
2	11/08/16	Sections 1.2, 2, 3, 6, 7, 8, 11, 12 & 14

End of Safety Data Sheet.