



## Section 1. Product and Company Identification.

**1.1 Model Number;** CP2518BPV2 v1  
**1.2 Description;** Cordless Power Tool Battery 18V Ni-Cd for CP2518  
Battery: 18 Volt. 784 grams.

**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;** 16 June 2015

## 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
Iron	7439-89-6	35.3 - 40%		
Other	-	22 - 30%		
Cadmium	7440-43-9	17.5 - 23.5%	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
Nickel	7440-02-0	10.3 - 17%	Carc. 2 Skin Sens. 1 Carc. Cat. 1 R49 R43 R53	H351 H317
Potassium	7440-09-7	3.55 - 4.2%		
Cobalt	7440-48-4	0.7 - 1.13%	Resp. Sens. 1 Skin Sens. 1 Aquatic Chronic 4 R42/43 R53	H334 H317 H413

For full text of Hazard Statements, see Section 16.



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

- Inhalation** If breathing difficulties develop, remove the person to fresh air.  
Loosen close fitting clothing.  
Ensure that person is warm.  
Get medical attention.
- Skin Contact** Remove contaminated clothing.  
Wash affected area(s) with soap and water.  
Get medical attention if symptoms persist.
- Eye Contact** Irrigate eyes with water for at least 15 minutes while raising eyelid(s).  
Get medical attention.
- Ingestion** Do not induce vomiting.  
Do not give food or drink.  
Get medical attention.

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

No further relevant information available

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

No further relevant information available

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Hazardous Combustion Products; Carbon oxides.

### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.



## Section 6. Accidental Release Measures.

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

Batteries do not leak under normal conditions.

If electrolyte has leaked;

Ensure adequate ventilation.

Use personal protective equipment

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Do not flush into surface water or sewer system.

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

Prevent further leakage or spillage if safe to do so.

Absorb escaped substances with earth or sand.

Cover powder spill with plastic sheet or tarpaulin to minimize spreading.

Seal leaking battery and absorbed materials in heavy duty bags.

Dike liquid spill disposal.

Collect in suitable container for disposal.

Clean contaminated surface thoroughly.

### 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

Wear appropriate protective clothing.

Do not eat or drink whilst handling batteries.

Wash hands with soap and water before eating or drinking

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

Store batteries in a cool, dry and well ventilated area.

Keep away from heat.

Keep away from sunlight.

Do not short circuit a battery. A short circuit causes heating and can lead to ignition of surrounding materials.

Minimize the risk of a short circuit, always store batteries in an appropriate container to prevent contact with conductive materials.

Keep batteries away from children.

### 7.3. Specific end use(s)

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

CAS NO.	ACGIH	NIOSH	OSHA
7440-02-0	TLV-TWA 1.5mg/m <sup>3</sup>	RELs-TWA 0.015mg/m <sup>3</sup>	PELs-TWA 1 mg/m <sup>3</sup>
7440-43-9	TLV-TWA 0.015mg/m <sup>3</sup> TLV-TWA 0.0025mg/m <sup>3</sup>	N/A	PELs-TWA 0.00 5mg/m <sup>3</sup> PELs-TWA 0.1mg/m <sup>3</sup>
7440-89-6	TLV-TWA 1.025mg/m <sup>3</sup>	RELs-TWA 0.055mg/m <sup>3</sup>	PELs-TWA 0.15mg/m <sup>3</sup>
7439-89-6	N/A	N/A	PELs-TWA 5mg/m <sup>3</sup> PELs-TWA 155mg/m <sup>3</sup>
7440-09-7	N/A	N/A	N/A



## 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:	Solid, cylindrical.
(b) Odour:	No information available.
(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;	No information available.
(n) Solubility(ies);	No information available.
(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.



## Section 10. Stability and Reactivity.

<b>10.1.</b> Reactivity	Data not available
<b>10.2.</b> Chemical stability	Stable
<b>10.3.</b> Possibility of hazardous reactions	Data not available
<b>10.4.</b> Conditions to avoid	Flames, sparks, and other sources of ignition, incompatible materials.
<b>10.5.</b> Incompatible materials	Oxidizing agents, acid, base
<b>10.6.</b> Hazardous decomposition products	Carbon monoxide, carbon dioxide

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

#### Acute Toxicity

CAS No.	LC50/LD50
7440-02-0	Not available
7440-43-9	Oral (rat) LD50: 225mg/kg
7440-48-4	Oral (rat) LD50: 6170mg/kg
7439-89-6	Oral (rat) LD50: 98600mg/kg
7440-06-7	Not available

## Section 12. Ecological Information.

When properly used and disposed of correctly, the battery does not present environmental hazard. Do not release internal components into water ways, wastewater or ground water.

<b>12.1.</b> Toxicity	No information available.
<b>12.2.</b> Persistence and degradability	No information available.
<b>12.3.</b> Bioaccumulative potential	No information available.
<b>12.4.</b> Mobility in soil	No information available.
<b>12.5.</b> Results of PBT and vPvB assessment	No information available.
<b>12.6.</b> 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;

- H317 May cause an allergic skin reaction.
- H250 Catches fire spontaneously if exposed to air.
- 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.
- R49 May cause cancer by inhalation.
- 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.

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	11/08/16	First issue.

End of Safety Data Sheet.