



Section 1. Product and Company Identification.

1.1 Model Number; VS906 v1
1.2 Description; Mini Digital Thermometer
1.5 Volt, 105mAh. 2 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; 01 January 2016

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.



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	44.5%	Not classified	-
Manganese Dioxide	1313-13-9	25.7%	Acute Tox. 4 Acute Tox. 4	H332 H302
Zinc	7440-66-6	11.8%	Water-react. 1 Pyr. Sol. 1 Aquatic Acute 1 Aquatic Chronic 1	H260 H250 H400 H410
Water	7732-18-5	9.1%	Not classified	-
Potassium Hydroxide	1310-58-3	3.7%	Acute Tox. 4 Skin Corr. 1A	H302 H314
Graphite	7782-42-5	3%	Not classified	-
Nylon-66	32131-17-2	2.2%	Not classified	-
Cadmium	7440-43-9	< 0.001%	Pyr. Sol. 1 Carc. 1B Muta. 2 Repr. 2 Acute Tox. 2 STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	H250 H350 H341 H361 H330 H372 H400 H410
Lead	7439-92-1	< 0.001%	Not classified	-
Mercury	7439-97-6	< 0.0001%	Acute Tox. 3 STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1	H331 H373 H400 H410

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



Section 4. First Aid Measures.

EYE CONTACT: irrigate eyes with water for at least 15 minutes while raising eyelid(s).
Seek medical attention.

SKIN CONTACT: Remove contaminated clothing.
Wash affected area(s) with soap and water.
Seek medical attention if chemical burn(s) appear or if symptoms persist.

INGESTION: Do not induce vomiting.
Do not give food or drink.
Seek medical attention.

INHALATION: If breathing difficulties develop, remove the person to fresh air. Loosen close fitting clothing.
Seek medical attention.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Any extinguishing media.

Use extinguishing media that is appropriate for the surrounding area.

5.2. Special hazards arising from the substance or mixture

Move batteries away from a fire incident, if safe to do so.

Cool batteries to reduce the risk of rupture.

5.3. Advice for fire-fighters

Fire Fighters should wear self-contained breathing apparatus and appropriate Personal Protective Equipment.

Carbon Dioxide, carbon monoxide and toxic organic substances will be generated.

Do not inhale fumes and smoke.



Section 6. Accidental Release Measures.

Avoid skin or eye contact with material leaking from a battery.

6.1. Personal precautions, protective equipment and emergency procedures

In case of rupture: Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Do not breathe vapours/dust.

Wear appropriate protective clothing, see section 8.

6.2. Environmental precautions

Ventilate area.

6.3. Methods and material for containment and cleaning up

Collect in a leak proof container.

Place battery in a sealed bag with chalk, lime powder or vermiculite.

Rinse contamination with water.

Prevent contaminated water from entering sewers or water courses.

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

Ensure adequate ventilation.

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

Do not recharge, over-discharge, force discharge.

Do not immerse, puncture or crush.

Never dismantle or modify a battery.

7.2. Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated area.

Storage temperature should be between +10°C / +25°C and not exceeded +30°C.

Prevent condensation on cells and batteries.

Do not store in a high humidity environment.

Avoid sustained periods of over 90% and below 40% relative humidity. These extremes can be detrimental to the battery and packaging.

Keep in properly labelled containers.

Keep out of the reach of children.

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

Physical contact with to short-circuited battery can cause skin burn.

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

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.
(b) Odour:	Odourless.
(c) Odour threshold;	Not relevant to battery.
(d) pH:	Not relevant to battery.
(e) Melting point/freezing point;	Not relevant to battery.
(f) Initial boiling point and boiling range;	Not relevant to battery.
(g) Flash point;	No information available.
(h) Evaporation rate;	Not relevant to battery.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	Not relevant to battery.
(l) Vapour density;	Not relevant to battery.
(m) Relative density;	Not relevant to battery.
(n) Solubility(ies);	Not relevant to battery.
(o) Partition coefficient: n-octanol/water;	Not relevant to battery.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	Not relevant to battery.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	Not relevant to battery.

9.2 Other information

No information available.



Section 10. Stability and Reactivity.

10.1. Reactivity	No information available.
10.2. Chemical stability	Stable.
10.3. Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4. Conditions to avoid	Avoid short circuit, mechanical abuse and thermal abuse.
10.5. Incompatible materials	No information available.
10.6. Hazardous decomposition products	No information available.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No information 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.

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 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.

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.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H302 Harmful if swallowed
- H331 Toxic if inhaled.
- H332 Harmful if inhaled
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

- R15 Contact with water liberates extremely flammable gases.
- R17 Spontaneously flammable in air.
- R20 Harmful by inhalation
- R22 Harmful if swallowed
- R23 Toxic by inhalation.
- R33 Danger of cumulative 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	27/11/14	First issue.
2	29/01/16	Sections 14 & 15.
3	20/05/16	Section 14
4	20/09/16	Section 14
5	14/11/16	Sections 3 & 9

End of Safety Data Sheet.