



SAFETY DATA SHEET

Version No.1

Revision date: 13/11/25

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:

Trade name:

Endoscope (31758), (31260)

Lithium-ion Battery 18650 3.7V/2000mAh/7.4Wh/45.9g

1.2 Relevant Identified Uses:

As above.

1.3 Details of the Supplier of the Safety Data Sheet:

Company name: Draper Tools Ltd

Address: Hursley Road, Chandler's Ford
Eastleigh, Hampshire SO53 1YF

Telephone: +44 (0) 23 80266355

Email: sales@drapertools.com

Contact person: Customer Service

Website: www.drapertools.com

1.4 Emergency Telephone Number:

+44 (0) 23 80266355 (not 24hrs)

2. Hazards Identification

2.1 Classification of the substance or mixture:

Not hazardous when used according to the instructions under normal conditions. In instances of miss use or abuse short circuiting and over charging, there is a risk of rupture, causing fire, heat and leaks of the internal components.

2.2 Label elements:

Hazard pictogram:

Not applicable

Singal word:

Not applicable

Hazard statement:

Not applicable

2.3 Precautionary statements:

Prevention:

Not applicable

Response:

Not applicable

Disposal:

Not applicable

Environmental hazards:

No relevant information

Important symptoms:

See section 11 for more information

3. Composition/Information on Ingredients

3.1. Mixtures

Chemical Composition	Chemical Formula	CAS No.	Percentage
Cobalt lithium dioxide	CoLiO ₂	12190-79-3	15-40%
Graphite	C	7782-42-5	10-30%
Lithium hexafluorophosphate	F ₆ LiP	21324-40-3	10-30%
Copper	Cu	7440-50-8	7-13%
Aluminium	Al	7429-90-5	5-10%
Nickel	Ni	7440-02-0	1-5%

4. First Aid Measures

4.1. Description of first aid measures

First-aid measures after eye contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lift the upper and lower eyelids. Seek medical attention.

First-aid measures after skin contact:

Remove contaminated clothing and rinse skin with plenty of water or shower for 15 minutes. Seek medical attention.

First-aid measures after inhalation:

Remove from exposure and move to fresh air immediately. Use oxygen if available.

First-aid measures after ingestion:

Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Seek medical attention.

5. Fire Fighting Measures

5.1. Extinguishing media

Flash Point:

N/A

Auto-ignition Temperature

N/A

Extinguishing Media

H₂O, CO₂

Special Fire-Fighting Procedures

Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards Cell may vent when subjected to excessive heat, exposing battery contents.

Hazardous combustion Products:

Carbon monoxide, Carbon dioxide, Lithium oxide fumes.

6. Accidental Release Measures

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

If battery contents are released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear hazardous gases. Avoid skin and eye contact or inhalation of vapours. Remove spilled liquid with absorbent and dispose of as hazardous waste. If leakage of the battery happens, liquid can be absorbed using sand or other inert substance.

6.2. Environmental precautions:

Do not allow product to enter sewage system or any water source.

6.3. Methods and material for containment and disposal

If battery casing is dismantled or damaged, small amounts of electrolyte may leak. Collect all released material in a plastic container. Dispose as hazardous waste with a registered handler.

7. Handling and Storage

7.1. Precautions for safe handling

Handling:

Do not open the battery, destroy or incinerate. Do not short circuit, over charge or force discharge. Do not crush or puncture or immerse in liquid.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Store in a cool, dry, well ventilated area. Avoid high temperatures. Do not store in direct sunlight or heating equipment.

Other precautions:

Battery may explode or cause burns if dismantled, crushed or exposed to fire or high temperatures.

8. Exposure controls/personal protection

8.1. Control parameters

8.1.1 Engineering controls:

Use local exhaust ventilation or other engineering controls to control sources of dust, mist fumes and vapour. Keep away from heat and flames. Store in a cool dry area.

8.1.2. Personal Protective Equipment:

Respiratory Protection:

Not necessary under normal conditions.
Wear suitable protective clothing if handling an open or leaking battery.

Hand protection:

Wear suitable gloves if handling an open or leaking battery.

Eye protection:

Not necessary under normal conditions. Wear safety glasses if handling an open or leaking battery.

8.1.3. Other Protective Equipment:

Have eye wash and showers available.

8.1.4. Hygiene Measures:

Do not eat, drink or smoke in the area.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Colour:	Silver
Odour:	Not applicable
pH:	Not applicable
Melting/Freezing point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Flammability or explosive limits:	Not applicable

Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	Not applicable
Solubility in water:	Not applicable
Auto ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Evaporation rate:	Not applicable
Flammability (soil, gas):	Not applicable
Viscosity:	Not applicable

10. Stability and Reactivity

10.1. Stability:

Stable under normal conditions.

10.2. Conditions to avoid:

Heat above 70oC or incineration. Crushing, overcharge or short circuiting. Exposure to prolonged humidity.

10.3. Incompatible Materials:

Oxidising agents or acids.

10.4. Hazardous decomposition products:

Carbon monoxide, carbon dioxide, Lithium oxide fumes.

10.5. Possibility of hazardous reaction:

Not applicable.

11. Toxicological Information

Irritation:	Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of rupturing the casing. If this occurs, irritation to the skin, eyes and respiratory tract may occur.
Sensitisation:	Not applicable
Neurological effects:	Not applicable
Teratogenicity:	Not applicable
Reproductive Toxicity:	Not applicable
Mutagenicity:	Not applicable
Toxicologically Synergetic Materials:	Not applicable

12. Ecological Information

Ecological Toxicity:	Not applicable
Mobility in soil:	Not applicable
Persistence and degradability:	Not applicable
Bioaccumulation protentional:	Not applicable
Other adverse effects:	Not applicable

13. Disposal Considerations

13.1. Waste treatment methods

Product disposal recommendation:
Use recognised accredited companies, if ruptured treat as hazardous waste.

14. Transport Information

Label for conveyance:	Lithium Battery Label
UN Number:	UN 3481
Transport hazard class:	9
Marine pollutant:	No
Un proper shipping name:	Lithium ion Battery (Including Lithium in polymer batteries). Lithium in Batteries contained in equipment (Including Lithium in polymer batteries).
ICAO/IATA:	Can be shipped by air in accordance with internation Civil Aviation Organisation (ICAO), TI or International Air Transport Association (IATA) DGR 64th Packing instructions Section IB of 965 or Section II of 966-967 appropriately.
IMDG Code:	International Maritime Dangerous Goods Code under Special Provision 188 IMDG CODE (Amdt 41-22).
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road under Special Provision 188.
RID:	Regulations concerning the International Carriage of Dangerous Goods by Rail under Special Provision 188.

15. Regulatory Information

Dangerous Goods Regulations:

Recommendation on the Transport of Dangerous Goods Model Regulations.

International Maritime Dangerous Goods.

Technical Instructions for the safe Transport of Dangerous Goods.

Classification and code of dangerous Goods:

European Agreement concerning the International Carriage of Dangerous goods.

Regulations concerning the International Carriage of Dangerous Goods.

16. Other Information

Details given in this document are believed to be correct at the time of completion. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.