# Product Safety Data Sheet (PSDS)

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## SECTION 1. Identification

| | |
|---|---|
| Product Names: | DS160 Strobe<br>DS161 Strobe<br>NiMH Battery Pack for DS125, DS160, DS161 Strobes |
| Type: | Rechargeable photographic strobe flash |
| Intended Use: | Underwater photography |
| Manufacturer: | Ikelite Underwater Systems |
| Address: | 50 West 33rd Street<br>Indianapolis, IN 46208 USA |
| Information: | http://www.ikelite.com |
| Contact: | 1 317-923-4523<br>Ikelite@ikelite.com |

## SECTION 2. Composition

- Internal rechargeable Nickel Metal Hydride (NiMH) battery; 6 cell, ≤ 7.2V, 3450 mAh, 24.48 Whr.
- Internal electronic circuitry, Light Emitting Diodes (LEDs) and Xenon flash tube.
- External plastic and rubber outer body.

## SECTION 3. Hazards Identification

The rechargeable NiMH batteries described in this Product Safety Data Sheet are sealed units and are not hazardous when used according to the recommendations of the manufacturer.

## SECTION 4. First Aid Measures

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|---|---|
| **General Advice** | Exposure to the contents of the NiMH batteries is not expected to occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically or electrically abused. |
| **Inhalation** | Remove from exposure, rest and keep warm. In severe cases obtain medical attention. |
| **Skin Contact** | Wash off skin thoroughly with water. Remove contaminated clothing and wash before reuse. In severe cases obtain medical attention. |
| **Eye Contact** | Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention.<br>Do not stare directly into light source. |
| **Ingestion** | Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention. |
| **Further Treatment** | All cases of eye contamination, persistent skin irritation and casualties should be seen by a Doctor. |

## SECTION 5. Fire Fighting Measures

- Use CO2, Dry Chemical, or Foam extinguisher to cool down or extinguish a fire.
- Do not use for this purpose sand, dry powder or soda ash, graphite powder or fire blankets.
- Firefighters should wear a positive pressure self-contained breathing apparatus and full protective clothing.

## SECTION 6. Accidental Release Measures

In the event of leakage wear gloves and protective clothing. Avoid direct contact with electrolyte. Seal leaking battery and any contaminated absorbent material in plastic bag and dispose of as Special Waste in accordance with local regulations.

## SECTION 7. Handling and Storage

**DO NOT OPEN** the sealed strobe head or battery pack.

Rinse and dry equipment prior to storing. Charge the battery pack to at least half to maintain healthy condition of the cells. Always place the power switch in the locked off position when not in use. Leave the battery pack lever open when storing for extended periods of time.

Store in a cool and ventilated area, away from moisture, sources of heat or open flames. Temperature above 60°C may result in battery leakage and rupture.

## SECTION 8. Exposure Controls & Personal Protection

Keep power switch in the off state with lock engaged when not in use.

**DO NOT OPEN** the battery pack or strobe head. This equipment is factory sealed for consumer safety and warranty.

## SECTION 9. Physical and Chemical Properties

In normal use, equipment operates at a safe-to-touch temperature in all environments. All internal components are factory sealed within a cylindrical shell composed of plastic and rubber. No relevant physical or chemical properties unless internal components are exposed.

## SECTION 10. Stability and Reactivity

Product is stable under conditions described in Section 7.

## SECTION 11. Toxicological Information

Equipment is non-toxic if used and disposed of correctly.

## SECTION 12. Ecological Information

Equipment is non-toxic to the environment if used and disposed of correctly. Refer to Section 13. Disposal Considerations.

## SECTION 13. Disposal Considerations

Do not incinerate, or subject cells to temperatures in excess of 60º C. Such abuse can result in loss of seal, leakage, and/or cell explosion. Dispose of in accordance with appropriate local regulations on electronic waste disposal.

## SECTION 14. Transport Information

The strobe must be in the off state with power switch lock engaged to prevent accidental activation during transportation. It is recommended to separate the battery pack from the strobe and wrap in a non-conductive, non-flammable material.

Nickel metal hydride batteries (sometimes referred to as “Dry cell” batteries) are not defined as dangerous goods under the IATA Dangerous Goods Regulations 55$^{th}$ edition 2014. ICAO Technical Instructions and the U.S. hazardous materials regulations (49 CFR). These batteries are not subject to the dangerous goods regulations as they are compliant with the requirements contained in the following special provisions.

| Regulatory Body | Special Provisions |
|---|---|
| ADR | 295 – 304, 598 |
| IMO | UN 3496 SP117 and SP963 |
| UN | UN 3496 |
| US DOT | 49 CFR 172, 102 Provision 130 |
| IATA | A123 |

In addition, the IATA Dangerous Goods Regulations and ICAO Technical Instructions require the words “not restricted” and the Special Provision number A123 be provided on the air waybill, when an air waybill is issued.

## SECTION 16. Other information

For more Information, visit http://www.Ikelite.com