

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 5/13/2021 Version: 2.0

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product form : Mixture  
Product name : KODAK Rechargeable Ni-MH Battery types (pre-charged and non-pre-charged) AA and AAA

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### 1.2.1. Relevant identified uses

Main use category : Consumer use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : batteries

###### 1.2.2. Uses advised against

No additional information available

##### 1.3. Details of the supplier of the safety data sheet

Registered Address:  
Strand Europe Ltd, 3<sup>rd</sup> Floor  
207 Regent Street, London, W1B 3HH- United Kingdom  
T +44 (0) 1252 861000  
[sales@strandeurope.com](mailto:sales@strandeurope.com)

##### 1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night 1-800-424-9300 / +1 703-527-3887

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Flammable solids, Category 1                                      | H228 |
| Acute toxicity (oral), Category 4                                 | H302 |
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Respiratory sensitisation, Category 1                             | H334 |
| Skin sensitisation, Category 1                                    | H317 |
| Germ cell mutagenicity, Category 2                                | H341 |
| Carcinogenicity, Category 1A                                      | H350 |
| Reproductive toxicity, Category 1B                                | H360 |
| Specific target organ toxicity — Repeated exposure, Category 1    | H372 |
| Hazardous to the aquatic environment — Acute Hazard, Category 1   | H400 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1 | H410 |

Full text of H-statements: see section 16

###### Adverse physicochemical, human health and environmental effects

No additional information available

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Contains :

Nickel (Ni); nickel dihydroxide; potassium hydroxide; caustic potash; Cobalt

Hazard statements (CLP) :

H228 - Flammable solid.  
 H302 - Harmful if swallowed.  
 H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H341 - Suspected of causing genetic defects.  
 H350 - May cause cancer.  
 H360 - May damage fertility or the unborn child.  
 H372 - Causes damage to organs through prolonged or repeated exposure.  
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 - Ground and bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|---|
| Nickel (Ni)<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit<br>(Note S)(Note 7) | CAS-No.: 7440-02-0<br>EC-No.: 231-111-4<br>EC Index-No.: 028-002-00-7<br>REACH-no: 01-2119438727-29-XXXX | 20 – 40 | Carc. 2, H351<br>STOT RE 1, H372<br>Skin Sens. 1, H317          |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Name   | Product identifier   | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|--|----------|--|
| nickel dihydroxide<br>substance with a Community workplace exposure limit                          | CAS-No.: 12054-48-7<br>EC-No.: 235-008-5<br>EC Index-No.: 028-008-00-X                                   | 20 – 40  | Carc. 1A, H350i<br>Repr. 1B, H360D<br>Muta. 2, H341<br>STOT RE 1, H372<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Cobalt<br>substance with national workplace exposure limit(s)<br>(GB)                              | CAS-No.: 7440-48-4<br>EC-No.: 231-158-0<br>REACH-no: 01-2119517392-44-XXXX                               | 1 – 10   | Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Aquatic Chronic 4, H413   |
| Manganese (Mn)<br>substance with a Community workplace exposure limit                              | CAS-No.: 7439-96-5<br>EC-No.: 231-105-1<br>REACH-no: 01-2119449803-34-XXXX                               | 1 – 10   | Not classified   |
| potassium hydroxide; caustic potash<br>substance with national workplace exposure limit(s)<br>(GB) | CAS-No.: 1310-58-3<br>EC-No.: 215-181-3<br>EC Index-No.: 019-002-00-8<br>REACH-no: 01-2119487136-33-XXXX | 0.1 – 10 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314   |
| Sodium hydroxide<br>substance with national workplace exposure limit(s)<br>(GB)                    | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27-XXXX | 0.1 – 1  | Skin Corr. 1A, H314  |
| LITHIUM HYDROXIDE<br>substance with national workplace exposure limit(s)<br>(GB)                   | CAS-No.: 1310-65-2<br>EC-No.: 215-183-4  | 0.1 – 1  | Not classified   |

| Specific concentration limits       |  |   |
|-------------------------------------|--|---|
| Name                                | Product identifier   | Specific concentration limits   |
| potassium hydroxide; caustic potash | CAS-No.: 1310-58-3<br>EC-No.: 215-181-3<br>EC Index-No.: 019-002-00-8<br>REACH-no: 01-2119487136-33-XXXX | ( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C < 100) Skin Corr. 1A, H314 |
| Sodium hydroxide                    | CAS-No.: 1310-73-2<br>EC-No.: 215-185-5<br>EC Index-No.: 011-002-00-6<br>REACH-no: 01-2119457892-27-XXXX | ( 0.5 ≤C < 2) Eye Irrit. 2, H319<br>( 0.5 ≤C < 2) Skin Irrit. 2, H315<br>( 2 ≤C < 5) Skin Corr. 1B, H314<br>( 5 ≤C ≤ 100) Skin Corr. 1A, H314 |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Note 7 : Alloys containing nickel are classified for skin sensitisation when the release rate of 0,5 µg Ni/cm<sup>2</sup>/week, as measured by the European Standard reference test method EN 1811, is exceeded.

Note S : This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1).

Full text of H- and EUH-statements: see section 16

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician. Call a POISON CENTER/doctor if you feel unwell.       |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTRE or doctor/physician.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects                    | : This product is not expected to cause a hazard however if the casing splits then the contents may cause a hazard.                     |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.   |
| Symptoms/effects after skin contact | : Causes skin irritation.   |
| Symptoms/effects after eye contact  | : Causes serious eye damage.  |
| Symptoms/effects after ingestion    | : Ingestion may cause nausea, vomiting and diarrhea. Swallowing a small quantity of this material will result in serious health hazard. |

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

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Foam. Flood fire area with water from a distance. |
| Unsuitable extinguishing media | : Carbon dioxide (CO <sub>2</sub> ). Halons.        |

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

|  |   |
|--|---|
| Fire hazard                                      | : Heating may cause a fire or explosion.                          |
| Explosion hazard                                 | : Heating may cause a fire or explosion.                          |
| Reactivity in case of fire                       | : Under fire conditions closed containers may rupture or explode. |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Metal oxides.                                   |

##### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.  |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### SECTION 6: Accidental release measures

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

General measures : Evacuate unnecessary personnel.

###### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

###### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

##### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

##### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Direct sunlight.

##### 7.3. Specific end use(s)

No additional information available

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

###### 8.1.1. National occupational exposure and biological limit values

| <b>Nickel (Ni) (7440-02-0)</b>                            |   |
|---|---|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | Nickel metal  |
| IOEL TWA  | 0.005 mg/m <sup>3</sup> (respirable fraction)   |
| Notes   | (Year of adoption 2011)   |
| Regulatory reference                                      | SCOEL Recommendations   |
| <b>EU - Biological Limit Value (BLV)</b>                  |   |
| Local name  | Nickel and nickel compounds   |
| BLV   | 3 µg/l Parameter: nickel - Medium: urine  |
| Regulatory reference                                      | SCOEL List of recommended health-based BLVs and BGVs  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | Nickel  |
| WEL TWA (OEL TWA) [1]                                     | 0.1 mg/m <sup>3</sup> and its inorganic compounds (except nickel tetracarbonyl): water-soluble nickel compounds (as Ni)<br>0.5 mg/m <sup>3</sup> and its inorganic compounds (except nickel tetracarbonyl): nickel and water insoluble nickel compounds (as Ni)   |
| Remark (WEL)  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), Carc (Capable of causing cancer and/or heritable genetic damage (nickel oxides and sulphides)), Sen (Capable of causing occupational asthma (nickel sulphate)) |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>nickel dihydroxide (12054-48-7)</b>                    |   |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |   |
| Local name  | Nickel hydroxide  |
| IOEL TWA  | 0.005 mg/m <sup>3</sup> (respirable fraction)<br>0.01 mg/m <sup>3</sup> (inhalable fraction)  |
| Notes   | (Year of adoption 2011)   |
| Regulatory reference                                      | SCOEL Recommendations   |
| <b>EU - Biological Limit Value (BLV)</b>                  |   |
| Local name  | Nickel hydroxide  |
| BLV   | 3 µg/l Parameter: nickel - Medium: urine  |
| Regulatory reference                                      | SCOEL List of recommended health-based BLVs and BGVs  |
| <b>Cobalt (7440-48-4)</b>                                 |   |
| <b>United Kingdom - Occupational Exposure Limits</b>      |   |
| Local name  | Cobalt  |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>Cobalt (7440-48-4)</b>                                 |  |
|---|--|
| WEL TWA (OEL TWA) [1]                                     | 0.1 mg/m <sup>3</sup> and Cobalt compounds (as Co)   |
| Remark (WEL)  | Carc (cobalt dichloride and sulphate)(Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), Sen (Capable of causing occupational asthma. See paragraphs 53–56) |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>Manganese (Mn) (7439-96-5)</b>                         |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Manganese  |
| IOEL TWA  | 0.2 mg/m <sup>3</sup> (inhalable fraction)<br>0.05 mg/m <sup>3</sup> (respirable fraction)   |
| Notes   | (Year of adoption 2011)  |
| Regulatory reference                                      | SCOEL Recommendations  |
| <b>potassium hydroxide; caustic potash (1310-58-3)</b>    |  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Potassium hydroxide  |
| WEL STEL (OEL STEL)                                       | 2 mg/m <sup>3</sup>  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>Sodium hydroxide (1310-73-2)</b>                       |  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Sodium hydroxide   |
| WEL STEL (OEL STEL)                                       | 2 mg/m <sup>3</sup>  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>LITHIUM HYDROXIDE (1310-65-2)</b>                      |  |
| <b>United Kingdom - Occupational Exposure Limits</b>      |  |
| Local name  | Lithium hydroxide  |
| WEL STEL (OEL STEL)                                       | 1 mg/m <sup>3</sup>  |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE  |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Avoid all unnecessary exposure.

###### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Chemical goggles or face shield

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles |                      | Clear           | EN 166   |

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Wear protective gloves.

| Hand protection   |                         |            |                |             |            |
|-------------------|-------------------------|------------|----------------|-------------|------------|
| Type              | Material                | Permeation | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Polyvinylchloride (PVC) |            |                |             | EN ISO 374 |

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

###### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                     |
|-----------------|---------------------|
| Physical state  | : Solid             |
| Colour          | : No data available |
| Odour           | : Odourless.        |
| Odour threshold | : No data available |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|   |                     |
|---|---------------------|
| pH  | : No data available |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Non flammable.    |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : Insoluble.        |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified        |
| Acute toxicity (inhalation) | : Not classified        |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>KODAK Rechargeable Ni-MH Battery types (pre-charged and non-pre-charged) AA and AAA</b> |   |
|--|---|
| ATE CLP (oral)   | 1666.583 mg/kg bodyweight   |
| <b>Nickel (Ni) (7440-02-0)</b>   |   |
| LD50 oral rat  | > 9000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |
| <b>Cobalt (7440-48-4)</b>  |   |
| LD50 oral rat  | > 5000 mg/kg  |
| <b>Manganese (Mn) (7439-96-5)</b>  |   |
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure) |
| LC50 Inhalation - Rat  | > 5.14 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation))  |
| <b>potassium hydroxide; caustic potash (1310-58-3)</b>                                     |   |
| LD50 oral  | 333 mg/kg bodyweight  |
| Skin corrosion/irritation  | : Causes skin irritation.   |
| Serious eye damage/irritation  | : Causes serious eye irritation.  |
| Respiratory or skin sensitisation  | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.   |
| Additional information   | : Based on available data, the classification criteria are not met  |
| Germ cell mutagenicity   | : Suspected of causing genetic defects.   |
| Additional information   | : Based on available data, the classification criteria are not met  |
| Carcinogenicity  | : May cause cancer.   |
| Additional information   | : Based on available data, the classification criteria are not met  |
| <b>Nickel (Ni) (7440-02-0)</b>   |   |
| IARC group   | 2B - Possibly carcinogenic to humans  |
| <b>Cobalt (7440-48-4)</b>  |   |
| IARC group   | 2B - Possibly carcinogenic to humans, 2A - Probably carcinogenic to humans  |
| Reproductive toxicity  | : May damage fertility or the unborn child.   |
| STOT-single exposure   | : Not classified  |
| STOT-repeated exposure   | : Causes damage to organs through prolonged or repeated exposure.   |
| <b>Nickel (Ni) (7440-02-0)</b>   |   |
| STOT-repeated exposure   | Causes damage to organs through prolonged or repeated exposure.   |
| <b>nickel dihydroxide (12054-48-7)</b>   |   |
| STOT-repeated exposure   | Causes damage to organs through prolonged or repeated exposure.   |
| Aspiration hazard  | : Not classified  |
| Additional information   | : Based on available data, the classification criteria are not met  |
| Potential adverse human health effects and symptoms  | : Based on available data, the classification criteria are not met  |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

##### Manganese (Mn) (7439-96-5)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | > 3.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)           |
| EC50 - Crustacea [1] | > 1.6 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1] | 4.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 2.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC (chronic)       | 1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '8 d'                               |

##### potassium hydroxide; caustic potash (1310-58-3)

|                 |         |
|-----------------|---------|
| LC50 - Fish [1] | 80 mg/l |
|-----------------|---------|

##### Sodium hydroxide (1310-73-2)

|                                    |  |
|------------------------------------|--|
| LC50 - Fish [1]                    | > 35 mg/l  |
| EC50 - Crustacea [1]               | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |
| EC50 - Other aquatic organisms [1] | > 33 mg/l waterflea                                  |

##### 12.2. Persistence and degradability

##### KODAK Rechargeable Ni-MH Battery types (pre-charged and non-pre-charged) AA and AAA

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

##### Cobalt (7440-48-4)

|                               |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

##### 12.3. Bioaccumulative potential

##### KODAK Rechargeable Ni-MH Battery types (pre-charged and non-pre-charged) AA and AAA

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

##### Cobalt (7440-48-4)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

##### potassium hydroxide; caustic potash (1310-58-3)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.75 |
|---|------|

##### Sodium hydroxide (1310-73-2)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -3.88 |
|---|-------|

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### 14.6. Special precautions for user

Special transport precautions : In addition, the IATA Dangerous Goods Regulations and ICAO Technical Instructions require the words "not restricted" and the Special Provision number A199 be provided on the air waybill, when an air waybill is issued.  
For maritime transport, the batteries are regulated by the IMO under UN 3496 BATTERIES, NICKEL METAL HYDRIDE, class 9 dangerous goods with Special Provision 117 and 963 assigned.  
They are not subject to other provisions of this Code provided that they are loaded in a cargo transport unit in a total quantity of less than 100 Kg gross mass. When loaded in a cargo transport unit in a total quantity of 100 Kg gross mass or more, the following requirements must be met:  
(1) Dangerous goods transport documentation to accompany the shipment,  
(2) The shipment must be described as "UN3496, BATTERIES, NICKEL-METAL HYDRIDE, CLASS 9" on the shipper's declaration for dangerous goods.  
(3) The dangerous goods description must also be entered on the Dangerous Cargo Manifest and/or the detailed stowage plan in compliance with the IMDG Code requirements for shipboard documentation

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements |  |
|------------------------------------|--|
| Acute Tox. 4 (Inhalation)          | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Oral)                | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1                    | Hazardous to the aquatic environment — Acute Hazard, Category 1            |
| Aquatic Chronic 1                  | Hazardous to the aquatic environment — Chronic Hazard, Category 1          |
| Aquatic Chronic 4                  | Hazardous to the aquatic environment — Chronic Hazard, Category 4          |
| Carc. 1A                           | Carcinogenicity (inhalation) Category 1A                                   |
| Carc. 2                            | Carcinogenicity, Category 2  |
| Eye Irrit. 2                       | Serious eye damage/eye irritation, Category 2                              |
| Muta. 2                            | Germ cell mutagenicity, Category 2   |
| Repr. 1B                           | Reproductive toxicity, Category 1B   |
| Resp. Sens. 1                      | Respiratory sensitisation, Category 1                                      |
| Skin Corr. 1A                      | Skin corrosion/irritation, Category 1, Sub-Category 1A                     |
| Skin Corr. 1B                      | Skin corrosion/irritation, Category 1, Sub-Category 1B                     |
| Skin Irrit. 2                      | Skin corrosion/irritation, Category 2                                      |
| Skin Sens. 1                       | Skin sensitisation, Category 1   |
| STOT RE 1                          | Specific target organ toxicity — Repeated exposure, Category 1             |
| H228                               | Flammable solid.   |
| H302                               | Harmful if swallowed.  |
| H314                               | Causes severe skin burns and eye damage.                                   |
| H315                               | Causes skin irritation.  |
| H317                               | May cause an allergic skin reaction.                                       |
| H319                               | Causes serious eye irritation.   |
| H332                               | Harmful if inhaled.  |
| H334                               | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H341                               | Suspected of causing genetic defects.                                      |
| H350                               | May cause cancer.  |
| H350i                              | May cause cancer by inhalation.  |
| H351                               | Suspected of causing cancer.   |
| H360                               | May damage fertility or the unborn child.                                  |
| H360D                              | May damage the unborn child.   |

## KODAK RECHARGEABLE Ni-MH BATTERIES

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### Full text of H- and EUH-statements

|      |   |
|------|---|
| 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.         |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



The Kodak trademark, logo and trade dress are used under license from Kodak.  
© 2021 STRAND EUROPE LTD.  
[www.kodakbatteries.strandurope.com](http://www.kodakbatteries.strandurope.com)

EU-EN (English)

15/15