

### CUID 1: Sainaitheantóir na substainte / an mheascáin agus na cuideachta / an ghnóthais

#### 1.1. Sainaitheantóir táirge

|                 |   |
|-----------------|---|
| Foirm an táirge | : Article   |
| Product name    | : Sensor button cell CR2450   |
| Cód an táirge   | : ZBSC10WT,ZBSD10WT,ZBSM10WT  |
| Type of product | : SP-188 Lithium cells and batteries are not subject to provision of ADR because lithium metal is less than 2 gram. |

#### 1.2. Úsáidí ábhartha sainaitheanta na substainte nó an mheascáin agus úsáidí atá dímholta

##### 1.2.1. Úsáidí sainaitheanta ábhartha

Níl aon fhaisnéis bhreise ar fáil

##### 1.2.2. Úsáidí dímholta

Níl aon fhaisnéis bhreise ar fáil

#### 1.3. Sonraí um sholáthraí na bileoige sonraí sábháilteachta

Nedis B.V.  
De Tweeling 28  
5215MC 's Hertogenbosch – The Netherlands  
T +31 735991055  
[www.nedis.com](http://www.nedis.com)

#### 1.4. Uimhir ghutháin éigeandála

Níl aon fhaisnéis bhreise ar fáil

### CUID 2: Aithint guaiseacha

#### 2.1. Aicmiú na substainte nó an mheascáin

##### Aicme de réir Rialachán (CE) Uimh. 1272/2008 [CLP]

Géarthocsaineacht (bhéil), Catagóir 4 H302  
Full text of H- and EUH-statements: see section 16

##### Éifeachtaí díobhálacha fisiceimiceacha, um shláinte an duine agus um an comhshaol

Danger symbols/labeling in case of damaged and or ruptured battery. Díobhálach má shlogtar.

#### 2.2. Eilimintí lipéid

##### Lipéadú de réir Rialachán (CE) Uimh. 1272/2008 [CLP]

|                           |  |
|---------------------------|--|
| Signal word (CLP)         | : -  |
| Contains                  | : manganese dioxide; lithium; Lithium perchlorate; propylene carbonate; 1,2-Dimethoxyethane; mercury; cadmium (non-pyrophoric); Lead |
| Hazard statements (CLP)   | : H302 - Díobhálach má shlogtar.   |
| Ráitis réamhchúraim (CLP) | : P270 - Ná hith, ná hól agus ná caitear tobac agus an táirge seo á úsáid.<br>P102 - Coimeád as aimsiú leanaf.                       |

#### 2.3. Guaiseacha eile

Contains no PBT/vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII

#### Comhpháirt

|                                      |   |
|--------------------------------------|---|
| 1,2-Dimethoxyethane (110-71-4)       | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| cadmium (non-pyrophoric) (7440-43-9) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

# Sensor button cell CR2450

## Bileog Sonraí Sábháilteachta

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Comhpháirt                          |   |
|-------------------------------------|---|
| Lead (7439-92-1)                    | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII   |
| Comhpháirt                          |   |
| 1,2-Dimethoxyethane(110-71-4)       | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| cadmium (non-pyrophoric)(7440-43-9) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Lead(7439-92-1)                     | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

### CUID 3: Comhdhéanamh / faisnéis faoi chomhábhair

#### 3.1. Substaint

Ní bhaineann le hábhar

#### 3.2. Meascán

| Ainm  | Sainitheantóir táirge   |           | Aicme de réir Rialachán (CE) Uimh. 1272/2008 [CLP]  |
|---|---|-----------|---|
| manganese dioxide   | Uimh. CAS: 1313-13-9<br>Uimh. CE: 215-202-6<br>Uimh. innéacs CE: 025-001-00-3 | 28 – 30   | Acute Tox. 4 (Ionanál), H332<br>Acute Tox. 4 (Bhéil), H302  |
| Lithium perchlorate   | Uimh. CAS: 7791-03-9<br>Uimh. CE: 232-237-2                                   | 3,7 – 3,9 | Ox. Liq. 1, H271<br>Acute Tox. 4 (Bhéil), H302<br>Skin Corr. 1, H314  |
| propylene carbonate   | Uimh. CAS: 108-32-7<br>Uimh. CE: 203-572-1<br>Uimh. innéacs CE: 607-194-00-1  | 2,7 – 2,9 | Eye Irrit. 2, H319  |
| lithium   | Uimh. CAS: 7439-93-2<br>Uimh. CE: 231-102-5<br>Uimh. innéacs CE: 003-001-00-4 | 1,6 – 1,8 | Water-react. 1, H260<br>Skin Corr. 1B, H314   |
| 1,2-Dimethoxyethane<br>substance listed as REACH Candidate (1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)) | Uimh. CAS: 110-71-4<br>Uimh. CE: 203-794-9<br>Uimh. innéacs CE: 603-031-00-3  | 1,3 – 1,5 | Flam. Liq. 2, H225<br>Repr. 1B, H360FD<br>Acute Tox. 4 (Ionanál), H332  |
| cadmium (non-pyrophoric)<br>substance listed as REACH Candidate (Cadmium)   | Uimh. CAS: 7440-43-9<br>Uimh. CE: 231-152-8<br>Uimh. innéacs CE: 048-002-00-0 | < 0,001   | Acute Tox. 2 (Ionanál), H330<br>Muta. 2, H341<br>Carc. 1B, H350<br>Repr. 2, H361fd<br>STOT RE 1, H372<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

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| Ainm  | Sainitheantóir táirge   |          | Aicme de réir Rialachán (CE) Uimh. 1272/2008 [CLP]   |
|---|---|----------|--|
| Lead<br>substance listed as REACH Candidate | Uimh. CAS: 7439-92-1<br>Uimh. CE: 231-100-4<br>Uimh. innéacs CE: 082-013-00-1 | 0,001    | Repr. 1A, H360FD<br>Lact., H362  |
| mercury                                     | Uimh. CAS: 7439-97-6<br>Uimh. CE: 231-106-7<br>Uimh. innéacs CE: 080-001-00-0 | < 0,0001 | Repr. 1B, H360D<br>Acute Tox. 2 (Ionanál), H330<br>STOT RE 1, H372<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

### Sainteorainneacha tíuchana:

| Ainm | Sainitheantóir táirge   | Sainteorainneacha tíuchana ()    |
|------|---|----------------------------------|
| Lead | Uimh. CAS: 7439-92-1<br>Uimh. CE: 231-100-4<br>Uimh. innéacs CE: 082-013-00-1 | (0,03 ≤ C ≤ 100) Repr. 1A, H360D |

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

## CUID 4: Bearta garchabhrach

### 4.1. Cur síos ar na bearta garchabhrach

|  |   |
|--|---|
| First-aid measures general                               | : Call a poison center or a doctor if you feel unwell.  |
| Bearta garchabhrach tar éis ionanáilaithe                | : Tabhair an duine amach faoin aer úr agus coinnigh é i riocht ina bhféadfadh sé anáil a tharraingt go réidh. |
| Bearta garchabhrach tar éis teagmhála leis an ggráiceann | : Wash skin with plenty of water.   |
| Bearta garchabhrach tar éis teagmhála leis an tsúil      | : Rinse eyes with water as a precaution.  |
| Bearta garchabhrach tar éis iontógála                    | : Sruthlaítear an béal. Call a poison center or a doctor if you feel unwell.                                  |

### 4.2. Na siomptóim agus na héifeachtaí is tábhachtaí, idir shiomptóim ghéarmhíochaine agus shiomptóim mhoillithe

Níl aon fhaisnéis bhreise ar fáil

### 4.3. Léiriú ar aon chóir leighis láithreach agus aon chóir speisialta atá ag teastáil

Treat symptomatically.

## CUID 5: Bearta comhrac dóiteáin

### 5.1. Meáin múchta

|                             |                     |
|-----------------------------|---------------------|
| Meáin oiriúnacha um múchadh | : Dry powder. Foam. |
|-----------------------------|---------------------|

### 5.2. Guaiseacha speisialta a eascraíonn as an tsubstaint nó as an meascán

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Comhairle do chomhraiceoirí dóiteáin

|                                 |  |
|---------------------------------|--|
| Cosaint i rith comhrac dóiteáin | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|---------------------------------|--|

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### CUID 6: Bearta i gcás scaoileadh de thaisme

#### 6.1. Réamhchúraimí pearsanta, trealamh cosanta agus nósanna imeachta éigeandála

##### 6.1.1. Do phearsanra neamh-éigeandála

Níl aon fhaisnéis bhreise ar fáil

##### 6.1.2. D'fhreagróirí éigeandála

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Réamhchúraimí comhshaoil

Avoid release to the environment.

#### 6.3. Modhanna agus ábhar maidir le coimeád agus glanadh suas

Modhanna um ghlanadh : Mechanically recover the product.  
Faisnéis eile : Dispose of materials or solid residues at an authorized site.

#### 6.4. Tagairt do chodanna eile

For further information refer to section 13.

### CUID 7: Láimhseáil agus stóráil

#### 7.1. Réamhchúraimí maidir le láimhseáil shábháilte

Réamhchúraimí maidir le láimhseáil shábháilte : Ensure good ventilation of the work station.  
Bearta sláinteachais : Ná hith, ná hól agus ná caitear tobac agus an táirge seo á úsáid. Always wash hands after handling the product.

#### 7.2. Coinníollacha stórála sábháilte, lena n-áirítear aon neamhlúí

Coinníollacha stórála : Cosain ar thaise. Stóráil in áit thirim. Stóráil i gcoimeádán iata. Stóráil faoi ghlas. Stóráil in áit dhea-aeráilte. Coimeád fionnuar é.  
Storage temperature : < 70 °C

#### 7.3. Úsáid shonrach deiridh nó úsáid sonracha deiridh

Níl aon fhaisnéis bhreise ar fáil

### CUID 8: Rialuithe nochtá / cosaint phearsanta

#### 8.1. Paraiméadair rialaithe

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

Níl aon fhaisnéis bhreise ar fáil

##### 8.1.2. Recommended monitoring procedures

Níl aon fhaisnéis bhreise ar fáil

##### 8.1.3. Air contaminants formed

Níl aon fhaisnéis bhreise ar fáil

##### 8.1.4. DNEL and PNEC

Níl aon fhaisnéis bhreise ar fáil

##### 8.1.5. Control banding

Níl aon fhaisnéis bhreise ar fáil

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### 8.2. Rialuithe nochtá

#### 8.2.1. Rialuithe iomchuí innealtóireachta

##### Rialuithe iomchuí innealtóireachta:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Eye and face protection

Níl aon fhaisnéis bhreise ar fáil

##### 8.2.2.2. Skin protection

Níl aon fhaisnéis bhreise ar fáil

##### 8.2.2.3. Cosaint riospráide

Níl aon fhaisnéis bhreise ar fáil

##### 8.2.2.4. Thermal hazards

Níl aon fhaisnéis bhreise ar fáil

#### 8.2.3. Rialuithe um nochtadh comhshaoil

##### Rialuithe um nochtadh comhshaoil:

Ná scaoiltear amach sa chomhshaoil.

## CUID 9: Airíonna fisiceacha agus ceimiceacha

### 9.1. Faisnéis bunaithe ar bhunairíonna fisiceacha agus ceimiceacha

|   |   |
|---|---|
| Staid fhisiceach                                | : Solid   |
| Dath  | : Not available   |
| Boladh  | : Not available   |
| Tairseach bolaidh                               | : Not available   |
| Leáphointe                                      | : Not available   |
| Reophointe                                      | : Ní bhaineann le hábhar  |
| Fiuchphointe                                    | : Not available   |
| Inadhainteacht                                  | : I dteagmháil le huisce scaoiltear gás inadhainte a d'fhéadfadh uathadhaint. |
| Lower explosion limit                           | : Ní bhaineann le hábhar  |
| Upper explosion limit                           | : Ní bhaineann le hábhar  |
| Splancphointe                                   | : Ní bhaineann le hábhar  |
| Teocht uath-adhainte                            | : Ní bhaineann le hábhar  |
| Teocht dianscaoilte                             | : Not available   |
| pH  | : Not available   |
| pH solution                                     | : Not available   |
| Slaodacht, cinéimiteach                         | : Ní bhaineann le hábhar  |
| Intuaslagthacht                                 | : Not available   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Galbhrú   | : Not available   |
| Vapour pressure at 50°C                         | : Not available   |
| Dlús  | : Not available   |
| Dlús coibhneasta                                | : Not available   |
| Galdlús coibhneasta ag 20°C                     | : Ní bhaineann le hábhar  |
| Particle size                                   | : Not available   |

### 9.2. Faisnéis eile

#### 9.2.1. Information with regard to physical hazard classes

Níl aon fhaisnéis bhreise ar fáil

#### 9.2.2. Other safety characteristics

Níl aon fhaisnéis bhreise ar fáil

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### CUID 10: Cobhsaíocht agus imoibríocht

#### 10.1. Imoibríocht

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Cobhsaíocht cheimiceach

Stable under normal conditions of use.

#### 10.3. D'fhéadfadh a bheith ina chúis le fhrithghníomhartha guaiseacha

No dangerous reactions known under normal conditions of use.

#### 10.4. Coinníollacha lena seachaint

None under recommended storage and handling conditions (see section 7).

#### 10.5. Ábhair neamh-chomhoiriúnacha

Níl aon fhaisnéis bhreise ar fáil

#### 10.6. Táirgí dian-scaoilte guaiseacha

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### CUID 11: Faisnéis thocsaineolaíoch

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Díobhálach má shlogtar.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| Sensor button cell CR2450                            |  |
|--|--|
| ATE CLP (oral)                                       | 1474,926 mg/kg meáchan coirp   |
| Lead (7439-92-1)                                     |  |
| LD50 ó bhéal francach                                | > 2000 mg/kg meáchan coirp Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 dermal rat                                      | > 2000 mg/kg meáchan coirp Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                          |
| LC50 ionanálú francach                               | > 5,05 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)                                 |
| Creimeadh/greannú craicinn                           | : Not classified   |
| Damáiste/greannú tromchúiseach súl                   | : Not classified   |
| Íoghrú riospráide nó craicinn                        | : Not classified   |
| Só-ghineacht ghaiméite                               | : Not classified   |
| Carcanaigineacht                                     | : Not classified   |
| Tocsaineacht atáirgthe                               | : Not classified   |
| Tocsaineacht sain-spríocorgáin (aon nochtadh amháin) | : Not classified   |
| Tocsaineacht sain-spríocorgáin (ilnochtadh)          | : Not classified   |
| mercury (7439-97-6)                                  |  |
| Tocsaineacht sain-spríocorgáin (ilnochtadh)          | Déanann damáiste d'orgáin trí nochtadh fada nó ilnochtadh.   |
| cadmium (non-pyrophoric) (7440-43-9)                 |  |
| Tocsaineacht sain-spríocorgáin (ilnochtadh)          | Déanann damáiste d'orgáin trí nochtadh fada nó ilnochtadh.   |
| Guais asúite   | : Not classified   |

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### Sensor button cell CR2450

Sladacht, cinéimiteach

Ní bhaineann le hábhar

### 11.2. Information on other hazards

Níl aon fhaisnéis bhreise ar fáil

## CUID 12: Faisnéis éiceolaíochta

### 12.1. Tocsaineacht

Éiceolaíocht - ginearálta : Before neutralisation, the product may represent a danger to aquatic organisms.  
Guaiseach don chomhshaol uisceach, : Not classified  
ghearrthéarmach (géarghuais)  
Guaiseach don chomhshaol uisceach, fadtéarmach : Not classified  
(guais ainsealach)  
Not rapidly degradable

### Lead (7439-92-1)

LC50 - Fish [1]

1170 µg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

LC50 - Fish [2]

107 µg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

### 12.2. Inchoimeádachas agus díghráiditheacht

Níl aon fhaisnéis bhreise ar fáil

### 12.3. Acmhainneacht bhithbhailitheach

Níl aon fhaisnéis bhreise ar fáil

### 12.4. Soghluaisteacht san ithir

Níl aon fhaisnéis bhreise ar fáil

### 12.5. Torthaí an mheasúnaithe PBT agus vPvB

#### Comhpháirt

1,2-Dimethoxyethane (110-71-4)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

cadmium (non-pyrophoric) (7440-43-9)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Lead (7439-92-1)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Níl aon fhaisnéis bhreise ar fáil

### 12.7. Éifeachtaí díobhálacha eile

Níl aon fhaisnéis bhreise ar fáil

## CUID 13: Breithnithe diúscartha

### 13.1. Modhanna cóireála dramhaíola

Modhanna cóireála dramhaíola : Dispose of contents/container in accordance with licensed collector's sorting instructions.






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### CUID 14: Faisnéis Iompair

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

| ADR  | IMDG   | IATA   | ADN  | RID  |
|--|--|--|--|--|
| <b>14.1. UN number or ID number</b>  |  |  |  |  |
| UN 3091  | UN 3091  | UN 3091  | UN 3091  | UN 3091  |
| <b>14.2. Ainm seolta ceart UN</b>  |  |  |  |  |
| LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT                                     | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT                                     | Lithium metal batteries contained in equipment                                     | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT                                       | LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT                                       |
| <b>Transport document description</b>  |  |  |  |  |
| UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9A, (E)                    | UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9                          | UN 3091 Lithium metal batteries contained in equipment, 9A                         | UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9A                           | UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, 9A                           |
| <b>14.3. Aicme nó aicmí guaise iompair</b>   |  |  |  |  |
| 9A   | 9  | 9A   | 9A   | 9A   |
|  |  |  |  |  |
| <b>14.4. Grúpa pacála</b>  |  |  |  |  |
| Ní bhaineann le hábhar   | Ní bhaineann le hábhar   | Ní bhaineann le hábhar   | Ní bhaineann le hábhar   | Ní bhaineann le hábhar   |
| <b>14.5. Guaiseacha comhshaoil</b>   |  |  |  |  |
| Contúirteach don chomhshaoil: No   | Contúirteach don chomhshaoil: No<br>Truailleán mara: No                            | Contúirteach don chomhshaoil: No   | Contúirteach don chomhshaoil: No   | Contúirteach don chomhshaoil: No   |

### 14.6. Réamhchúraimí speisialta don úsáideoir

#### Iompar ar talamh

|                               |  |
|-------------------------------|--|
| Classification code (ADR)     | : M4   |
| Special provisions (ADR)      | : 188, 230, 310, 360, 376, 377, 387, 670                   |
| Limited quantities (ADR)      | : 0  |
| Excepted quantities (ADR)     | : E0   |
| Packing instructions (ADR)    | : P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906 |
| Transport category (ADR)      | : 2  |
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 4W   |

#### Iompar ar muir

|                                    |   |
|------------------------------------|---|
| Special provision (IMDG)           | : 188, 230, 310, 360, 376, 377, 384, 387  |
| Limited quantities (IMDG)          | : 0   |
| Excepted quantities (IMDG)         | : E0  |
| Packing instructions (IMDG)        | : P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906  |
| EmS-No. (Fire)                     | : F-A   |
| EmS-No. (Spillage)                 | : S-I   |
| Stowage category (IMDG)            | : A   |
| Stowage and handling (IMDG)        | : SW19  |
| Properties and observations (IMDG) | : Electrical batteries containing lithium encased in a rigid metallic body. Lithium batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants. |



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### Aeriompar

|  |   |
|--|---|
| PCA Excepted quantities (IATA)               | : E0  |
| PCA Limited quantities (IATA)                | : Forbidden   |
| PCA limited quantity max net quantity (IATA) | : Forbidden   |
| PCA packing instructions (IATA)              | : 970   |
| PCA max net quantity (IATA)                  | : 5kg   |
| CAO packing instructions (IATA)              | : 970   |
| CAO max net quantity (IATA)                  | : 35kg  |
| Special provisions (IATA)                    | : A48, A88, A99, A154, A164, A181, A185, A206, A213, A220 |
| ERG code (IATA)                              | : 12FZ  |

### Iompar ar uiscebhealaí intíre

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Classification code (ADN)         | : M4                                |
| Special provisions (ADN)          | : 188, 230, 360, 376, 377, 387, 670 |
| Limited quantities (ADN)          | : 0                                 |
| Excepted quantities (ADN)         | : E0                                |
| Equipment required (ADN)          | : PP                                |
| Number of blue cones/lights (ADN) | : 0                                 |

### Iompar iarnróid

|                                       |  |
|---------------------------------------|--|
| Classification code (RID)             | : M4   |
| Special provisions (RID)              | : 188, 230, 310, 360, _376, 377, 387, 670                |
| Limited quantities (RID)              | : 0  |
| Excepted quantities (RID)             | : E0   |
| Packing instructions (RID)            | : P903, 908, 909, P910, P911, LP903, LP904, LP905, LP906 |
| Transport category (RID)              | : 2  |
| Colis express (express parcels) (RID) | : CE2  |
| Hazard identification number (RID)    | : 90   |

## 14.7. Maritime transport in bulk according to IMO instruments

Ní bhaineann le hábhar

## CUID 15: Faisnéis rialála

### 15.1. Rialacháin/reachtaíocht sábháilteacht, sláinte agus chomhshaoil a bhaineann go sonrach leis an tsubstaint nó an meascán

#### 15.1.1. Rialacháin de chuid an AE

##### REACH Annex XVII (Restriction List)

Ní bhaineann le hábhar

##### REACH Annex XIV (Authorisation List)

Ní bhaineann le hábhar

##### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations above or equal to 0.1 %: 1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (EC 203-794-9, CAS 110-71-4), Cadmium (EC 231-152-8, CAS 7440-43-9), Lead (EC 231-100-4, CAS 7439-92-1)

##### PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): mercury (7439-97-6), cadmium (non-pyrophoric) (7440-43-9)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. Rialacháin náisiúnta

#### An Fhrainc

| Occupational diseases |   |
|-----------------------|---|
| Code                  | Description   |
| RG 1                  | Conditions caused by lead and its compounds   |
| RG 2                  | Occupational diseases caused by mercury and its compounds                             |
| RG 39                 | Occupational diseases caused by manganese dioxide                                     |
| RG 61                 | Occupational diseases caused by cadmium and its compounds                             |
| RG 61 BIS             | Bronchopulmonary cancer caused by the inhalation of dusts or fumes containing cadmium |

#### An Ghearmáin

|  |   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
|--|---|----------|----------|-----------|-------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|----------|---------|-------|--------|--------|--------|--------|--------|--------|-----------|
| Employment restrictions                              | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Water hazard class (WGK)                             | : Classification according to AwSV, Annex 1.  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Storage class (LGK, TRGS 510)                        | : LGK 11 - Combustible solids.  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Joint storage table                                  | : <table border="1"><tbody><tr><td>LGK 1</td><td>LGK 2A</td><td>LGK 2B</td><td>LGK 3</td><td>LGK 4.1A</td></tr><tr><td>LGK 4.1B</td><td>LGK 4.2</td><td>LGK 4.3</td><td>LGK 5.1A</td><td>LGK 5.1B</td></tr><tr><td>LGK 5.1C</td><td>LGK 5.2</td><td>LGK 6.1A</td><td>LGK 6.1B</td><td>LGK 6.1C</td></tr><tr><td>LGK 6.1D</td><td>LGK 6.2</td><td>LGK 7</td><td>LGK 8A</td><td>LGK 8B</td></tr><tr><td>LGK 10</td><td>LGK 11</td><td>LGK 12</td><td>LGK 13</td><td>LGK 10-13</td></tr></tbody></table> | LGK 1    | LGK 2A   | LGK 2B    | LGK 3 | LGK 4.1A | LGK 4.1B | LGK 4.2 | LGK 4.3 | LGK 5.1A | LGK 5.1B | LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C | LGK 6.1D | LGK 6.2 | LGK 7 | LGK 8A | LGK 8B | LGK 10 | LGK 11 | LGK 12 | LGK 13 | LGK 10-13 |
| LGK 1  | LGK 2A  | LGK 2B   | LGK 3    | LGK 4.1A  |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| LGK 4.1B   | LGK 4.2   | LGK 4.3  | LGK 5.1A | LGK 5.1B  |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| LGK 5.1C   | LGK 5.2   | LGK 6.1A | LGK 6.1B | LGK 6.1C  |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| LGK 6.1D   | LGK 6.2   | LGK 7    | LGK 8A   | LGK 8B    |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| LGK 10   | LGK 11  | LGK 12   | LGK 13   | LGK 10-13 |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Joint storage not permitted for                      | : LGK 1, LGK 5.1A, LGK 6.2, LGK 7.  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Joint storage with restrictions permitted for        | : LGK 2A, LGK 3, LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2, LGK 6.1A, LGK 6.1B.   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Joint storage permitted for                          | : LGK 2B, LGK 4.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13.  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Hazardous Incident Ordinance (12. BImSchV)           | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| <b>An Ísiltír</b>                                    |   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| ABM category   | : Z(1) - non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/bioaccumulative potential/ toxicity or persistence)  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| SZW-lijst van kankerverwekkende stoffen              | : Lithium perchlorate, cadmium (non-pyrophoric) are listed  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| SZW-lijst van mutagene stoffen                       | : Lithium perchlorate is listed   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : cadmium (non-pyrophoric), Lead are listed   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : 1,2-Dimethoxyethane, cadmium (non-pyrophoric), Lead are listed  |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : 1,2-Dimethoxyethane, mercury, cadmium (non-pyrophoric), Lead are listed   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| <b>An Eilvéis</b>                                    |   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |
| Storage class (LK)                                   | : LK 11/13 - Solids   |          |          |           |       |          |          |         |         |          |          |          |         |          |          |          |          |         |       |        |        |        |        |        |        |           |

### 15.2. Measúnú sábháilteachta ceimicí

No chemical safety assessment has been carried out

## CUID 16: Faisnéis eile

### Abbreviations and acronyms:

|     |   |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
|-----|---|

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| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| Uimh. CE                    | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development                              |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail        |
| SDS                         | Bileog Sonraí Sábháilteachta  |
| STP                         | Sewage treatment plant  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |
| TLM                         | Median Tolerance Limit  |
| VOC                         | Volatile Organic Compounds  |
| Uimh. CAS                   | Chemical Abstract Service number  |
| N.O.S.                      | Not Otherwise Specified   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| ED                          | Endocrine disrupting properties   |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 2 (Ionanál)              | Géarthocsaineacht (ionanál), Catagóir 2 |
| Acute Tox. 4 (Bhéil)                | Géarthocsaineacht (bhéil), Catagóir 4   |
| Acute Tox. 4 (Ionanál)              | Géarthocsaineacht (ionanál), Catagóir 4 |

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| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Acute 1                     | Guaiseach don timpeallacht uisceach – Ghéarghuais, Catagóir 1   |
| Aquatic Chronic 1                   | Guaiseach don timpeallacht uisceach – Guais Ainsealach, Catagóir 1  |
| Carc. 1B                            | Carcanaigineacht, Catagóir 1B   |
| Eye Irrit. 2                        | Damáiste tromchúiseach don tsúil/greannú súl, Catagóir 2  |
| Flam. Liq. 2                        | Leachtanna inadhainte, Catagóir 2   |
| H225                                | Leacht an-inadhainte agus gal an-inadhainte.  |
| H260                                | I dteagmháil le huisce scaoiltear gáis inadhainte a d'fhéadfadh uathadhaint.  |
| H271                                | D'fhéadfadh sé a bheith ina chúis le tine nó le pléascadh; an-ocsaídeoir.   |
| H302                                | Díobhálach má shlogtar.   |
| H314                                | Ina chúis le dónna tromchúiseacha craicinn agus le damáiste don tsúil.  |
| H319                                | Ina chúis le greannú tromchúiseach don tsúil.   |
| H330                                | Marfach má ionanálaítear.   |
| H332                                | Díobhálach má ionanálaítear.  |
| H341                                | Ceaptar go bhféadfadh sé a bheith ina chúis le héalanga géiniteacha.  |
| H350                                | D'fhéadfadh sé a bheith ina chúis le hailse.  |
| H360D                               | D'fhéadfadh sé damáiste a dhéanamh don leanbh sa bhroinn.   |
| H360FD                              | D'fhéadfadh sé damáiste a dhéanamh do thorthúlacht. D'fhéadfadh sé damáiste a dhéanamh don leanbh sa bhroinn.                     |
| H361fd                              | Meastar go bhféadfadh sé damáiste a dhéanamh do thorthúlacht. Meastar go bhféadfadh sé damáiste a dhéanamh don leanbh sa bhroinn. |
| H362                                | D'fhéadfadh sé díobháil a dhéanamh do leanaí diúil.   |
| H372                                | Déanann damáiste d'orgáin trí nochtadh fada nó ilnochtadh.  |
| H400                                | An-tocsaineach don saol uisceach.   |
| H410                                | An-tocsaineach don saol uisceach, le héifeachtaí fadtréimhseacha.   |
| Lact.                               | Tocsaineacht atáirgeach, Catagóir bhreise, Éifeachtaí ar lachtadh nó trí lachtadh   |
| Muta. 2                             | Só-ghineacht ghaiméite, Catagóir 2  |
| Ox. Liq. 1                          | Leachtanna Ocsaídeacha, Catagóir 1  |
| Repr. 1A                            | Tocsaineacht atáirgeach, Catagóir 1A  |
| Repr. 1B                            | Tocsaineacht atáirgeach, Catagóir 1B  |
| Repr. 2                             | Tocsaineacht atáirgeach, Catagóir 2   |
| Skin Corr. 1                        | Creimeadh/greannú craicinn, Catagóir 1  |
| Skin Corr. 1B                       | Creimeadh/greannú craicinn, Catagóir 1B   |
| STOT RE 1                           | Tocsaineacht sain-spriocorgáin – Athnochtadh, Catagóir 1  |
| Water-react. 1                      | Substaintí agus meascáin atá i dteagmháil le huisce scaoileann gáis inadhainte, Catagóir 1  |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU