

# (5RS)-5-ethenylpyrrolidin-2-one

## Bileog Sonraí Sábháilteachta

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Dáta eisiúna: 03/04/2023 Leagan: 1.0

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

#### 1.1. Sainaitheantóir táirge

Foirm an táirge : Substance  
Substance name : (5RS)-5-ethenylpyrrolidin-2-one  
Cód an táirge : 202000011

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

##### 1.2.1. Úsáidí sainaitheanta ábhartha

Príomhchatagóir úsáide : The product is intended for research, analysis and scientific education.  
Úsáid na substainte / an mheascáin : For professional use only  
Function or use category : Laboratory chemicals

##### 1.2.2. Úsáidí dímholta

Restrictions on use : Do not use : Ingestion, Inhalation, Dermal

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

European Directorate for the Quality of Medicines & Healthcare  
EDQM, Council of Europe 7, Allée Kastner, CS30026  
F- 67081 Strasbourg  
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T +33(0)388412035 - F +33(0)388412771  
[sds@edqm.eu](mailto:sds@edqm.eu) - [www.edqm.eu](http://www.edqm.eu)

#### 1.4. Uimhir ghutháin éigeandála

Uimhir éigeandála : +33(0)390215608

### CUID 2: Aithint guaiseacha

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

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

Géarthocsaineacht (bhéil), Catagóir 3 H301  
Géarthocsaineacht (dheirmeach), Catagóir 3 H311  
Damáiste tromchúiseach don tsúil/greannú súl, Catagóir 1 H318  
Full text of H- and EUH-statements: see section 16

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

Expert judgement and weight of evidence determination.

#### 2.2. Eilimintí lipéid

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

Hazard pictograms (CLP) :



Signal word (CLP) : Contúirt  
Hazard statements (CLP) : H301+H311 - Ábhar tocsaineach má shlogtar é nó má theagmhaíonn leis an gcráiceann.  
H318 - Ina chúis le damáiste tromchúiseach don tsúil.  
Ráitis réamhchúraim (CLP) : P280 - Caith gloves/protective clothing/face protection.  
P301+P310 - MÁ SHLOGTAR: Cuir glao láithreach ar IONAD NIMHE nó ar dhochtúir/lia.  
P302+P352 - I gCÁS TEAGMHÁLA LEIS AN gCRAICEANN: Nigh le neart gallúnaí agus uisce.  
P312 - Cuir glao ar IONAD NIMHE nó ar dhochtúir/lia má bhraitheann tú tinn.

Labelling according to: exemption for inner packaging where the contents do not exceed 10ml

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Hazard pictograms (CLP)



GHS06

GHS05

### 2.3. Guaiseacha eile

Níl aon fhaisnéis bhreise ar fáil

## CUID 3: Comhdhéanamh / faisnéis faoi chomhábhair

### 3.1. Substaint

Ainm	Sainitheantóir táirge		Aicme de réir Rialachán (CE) Uimh. 1272/2008 [CLP]
(5RS)-5-ethenylpyrrolidin-2-one	-	≤ 100	Acute Tox. 3 (Bhéil), H301 (ATE=100 mg/kg meáchan coirp) Acute Tox. 3 (Deirmeach), H311 (ATE=300 mg/kg meáchan coirp) Eye Dam. 1, H318

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

### 3.2. Meascán

Ní bhaineann le hábhar

## CUID 4: Bearta garchabhrach

### 4.1. Cur síos ar na bearta garchabhrach

First-aid measures general	: Immediately flush the contact area with plenty of water.
Bearta garchabhrach tar éis ionanáilaithe	: Move to fresh air. Allow affected person to breathe fresh air. Immediate medical attention and special treatment, if necessary.
Bearta garchabhrach tar éis teagmhála leis an gcráiceann	: Wipe off as much as possible (using a clean, soft, absorbent material). Wash with plenty of water and detergent. Flush with lukewarm water for 15 minutes. Get medical advice if skin irritation persists.
Bearta garchabhrach tar éis teagmhála leis an tsúil	: Rinse with water while holding the eyes wide open. Tóg amach na tadhall-lionsaí, más ann dóibh agus más furasta é sin a dhéanamh. Lean den sruthlú. If irritation persists, consult an eye specialist.
Bearta garchabhrach tar éis iontógála	: Sruthlaítear an béal. Cuir glao láithreach ar IONAD NIMHE/ar dhochtúir. Do not induce vomiting.

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

Symptoms/effects	: Causes burns.
Siomptóim/gortuithe tar éis ionanáilaithe	: Insufficient data available. May cause shortness of breath, tightness of the chest, a sore throat and cough.
Siomptóim/gortuithe tar éis teagmhála leis an gcráiceann	: Insufficient data available. Redness, pain.
Siomptóim/gortuithe tar éis teagmhála leis an tsúil	: Insufficient data available. Redness, pain.
Siomptóim/gortuithe tar éis iontógála	: Burns to the gastric/intestinal mucosa.

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

Faigh comhairle/cúram liachta. If possible show this sheet, if not available show packaging or label.

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### CUID 5: Bearta comhrac dóiteáin

#### 5.1. Meáin múchta

Meáin oiriúnacha um múchadh : Extinguishing blanket.

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

Guais dóiteáin : See Heading 2.2. Beware, risk of formation of toxic and corrosive gases.

#### 5.3. Comhairle do chomhraiceoirí dóiteáin

Firefighting instructions : Use extinguishing media appropriate for surrounding fire.

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

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

Bearta ginearálta : Avoid any direct contact with the product. Do not breathe dust/fume/gas/mist/vapours/spray.

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

Níl aon fhaisnéis bhreise ar fáil

##### 6.1.2. D'fhreagróirí éigeandála

Protective equipment : See Section 8.

#### 6.2. Réamhchúirí comhshaoil

Níl aon fhaisnéis bhreise ar fáil

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

Modhanna um ghlanadh : Ensure waste is collected and contained. Clean thoroughly. Material should be handled with caution. In aqueous medium : Corrosive to eyes, respiratory system and skin.

#### 6.4. Tagairt do chodanna eile

Níl aon fhaisnéis bhreise ar fáil

### CUID 7: Láimhseáil agus stóráil

#### 7.1. Réamhchúirí maidir le láimhseáil shábháilte

Additional hazards when processed : The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended. In aqueous medium : Corrosive to eyes, respiratory system and skin.

Réamhchúirí maidir le láimhseáil shábháilte : Material should be handled with caution. Avoid any direct contact with the product.

Bearta sláinteachais : Handle in accordance with good industrial hygiene and safety procedures.

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

Technical measures : Comply with applicable regulations.

Coinníollacha stórála : Stóráil faoi ghlas.

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

See Heading 1.

### CUID 8: Rialúithe nochta / cosaint phearsanta

#### 8.1. Paraiméadair rialaithe

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

Níl aon fhaisnéis bhreise ar fáil

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### 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

## 8.2. Rialuithe nochta

### 8.2.1. Appropriate engineering controls

#### Rialuithe iomchuí innealtóireachta:

Keep in a well-ventilated room. Use only in a exhaust booth with integrated air filter. High efficiency particulate air filter (HEPA filter).

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Cosaint súl:

Safety glasses. DIN EN 166

#### 8.2.2.2. Skin protection

##### Cosaint chraicinn agus choirp:

Use chemically protective clothing. DIN EN 13034

##### Cosaint lámha:

Chemically resistant protective gloves. ISO 374-1

#### 8.2.2.3. Respiratory protection

##### Cosaint riospráide:

Dust production: dust mask with filter type P3. DIN EN 140 & 149. Liquid product : Aerosol mask. Wear breathing apparatus if exposed to vapours/dusts/aerosols

#### 8.2.2.4. Thermal hazards

Níl aon fhaisnéis bhreise ar fáil

### 8.2.3. Environmental exposure controls

Níl aon fhaisnéis bhreise ar fáil

## CUID 9: Airíonna fisiceacha agus ceimiceacha

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

Staid fhisiceach	: Leachtach
Dath	: Not available
Boladh	: Ní bhaineann le hábhar.
Tairseach bolaidh	: Not available
Leáphointe	: Not available
Reophointe	: Not available
Fiuchphointe	: Not available
Inadhainteacht	: Not available
Teorainneacha pléascacha	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Splancphointe	: Not available
Teocht uath-adhainte	: Not available
Teocht dianscaoilte	: Not available
pH	: Not available
Slaodacht, cinéimiteach	: Not available
Intuaslagthacht	: Not available

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Partition coefficient n-octanol/water (Log Kow)	: Not available
Galbhru	: Not available
Vapour pressure at 50°C	: Not available
Dlús	: Not available
Dlús coibhneasta	: Not available
Galdlús coibhneasta ag 20°C	: Not available
Particle characteristics	: Ní bhaineann le hábhar

### 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

## CUID 10: Cobhsaíocht agus imoibríocht

### 10.1. Imoibríocht

Stable under normal conditions.

### 10.2. Cobhsaíocht cheimiceach

Níl aon fhaisnéis bhreise ar fáil

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

Níl aon fhaisnéis bhreise ar fáil

### 10.4. Coinníollacha lena seachaint

Níl aon fhaisnéis bhreise ar fáil

### 10.5. Ábhair neamh-chomhoiriúnacha

None under normal use. See Section 7.

### 10.6. Táirgí dian-scaoilte guaiseacha

When heated to decomposition, emits dangerous fumes.

## CUID 11: Faisnéis thocsaineolaíoch

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

Acute toxicity (oral)	: Tocsaineach má shlogtar.
Acute toxicity (dermal)	: Tocsaineach i dteagmháil leis an gcráiceann.
Acute toxicity (inhalation)	: Not classified
Creimeadh/greannú craicinn	: Not classified
Damáiste/greannú tromchúiseach súl	: Ina chúis le damáiste tromchúiseach don tsúil.
Íogru riospráide nó craicinn	: Not classified
Só-ghineacht ghaiméite	: Not classified
Carcanaigineacht	: Not classified
Tocsaineacht atáirgthe	: Not classified
Tocsaineacht sain-spriocorgáin (aon nochtadh amháin)	: Not classified
Tocsaineacht sain-spriocorgáin (ilnochtadh)	: Not classified
Guais asúite	: Not classified

### 11.2. Information on other hazards

Níl aon fhaisnéis bhreise ar fáil

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### CUID 12: Faisnéis éiceolaíochta

#### 12.1. Tocsaineacht

Éiceolaíocht - ginearálta : Hazardous waste. Use suitable disposal containers.  
Guaiseach don chomhshaol uisceach, : Not classified  
ghearrthéarmach (géarghuais)  
Guaiseach don chomhshaol uisceach, fadtéarmach : Not classified  
(guais ainsealach)

#### 12.2. Inchoimeádachas agus díghrádaitheacht

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

Níl aon fhaisnéis bhreise ar fáil

#### 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

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.  
Product/Packaging disposal recommendations : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### CUID 14: Faisnéis iompair




In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
UN 2810	UN 2810	UN 2810
<b>14.2. Ainm seolta ceart UN</b>		
TOXIC LIQUID, ORGANIC, N.O.S.	TOXIC LIQUID, ORGANIC, N.O.S.	Toxic liquid, organic, n.o.s.
<b>Transport document description</b>		
UN 2810 TOXIC LIQUID, ORGANIC, N.O.S., 6.1, II, (D/E)	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S., 6.1, II	UN 2810 Toxic liquid, organic, n.o.s., 6.1, II
<b>14.3. Aicme nó aicmí guaise iompair</b>		
6.1	6.1	6.1

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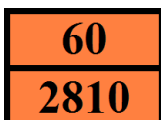
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA
		
<b>14.4. Grúpa pacála</b>		
II	II	II
<b>14.5. Guaiseacha comhshaoil</b>		
Contúirteach don chomhshaoil: No	Contúirteach don chomhshaoil: No Truailleán mara: No	Contúirteach don chomhshaoil: No

### 14.6. Réamhchúraimí speisialta don úsáideoir

#### Iompar ar talamh

Classification code (ADR)	: T1
Special provisions (ADR)	: 274, 614
Limited quantities (ADR)	: 100ml
Excepted quantities (ADR)	: E4
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BH
Tank special provisions (ADR)	: TU15, TE19
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13, CV28
Special provisions for carriage - Operation (ADR)	: S9, S19
Hazard identification number (Kemler No.)	: 60
Orange plates	:



Tunnel restriction code (ADR) : D/E

#### Iompar ar muir

Special provision (IMDG)	: 274
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP13, TP27
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-A
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Toxic if swallowed, by skin contact or by inhalation.

#### Aeriompar

PCA Excepted quantities (IATA)	: E4
PCA Limited quantities (IATA)	: Y641
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 654
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 662
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A4, A137

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ERG code (IATA) : 6L

### 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)

Not listed on REACH Annex XVII

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

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

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

Ní bhaineann le hábhar

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

Ní bhaineann le hábhar

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

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

##### 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)

##### 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

Níl aon fhaisnéis bhreise ar fáil

### 15.2. Measúnú sábháilteachta ceimicí

Níl aon fhaisnéis bhreise ar fáil

## CUID 16: Faisnéis eile

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

Acute Tox. 3 (Bhéil)	Géarthocsaineacht (bhéil), Catagóir 3
Acute Tox. 3 (Deirmeach)	Géarthocsaineacht (dheirmeach), Catagóir 3
Eye Dam. 1	Damáiste tromchúiseach don tsúil/greannú súl, Catagóir 1
H301	Tocsaineach má shlogtar.
H311	Tocsaineach i dteagmháil leis an gcráiceann.
H318	Ina chúis le damáiste tromchúiseach don tsúil.

Safety Data Sheet (SDS), EU



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