



2026/2028

11.9.2026

COMMISSION IMPLEMENTING REGULATION (EU) 2026/2028

of 10 September 2026

**granting a Union authorisation for the single biocidal product 'ELOCLEAR' in accordance with
Regulation (EU) No 528/2012 of the European Parliament and of the Council**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products ⁽¹⁾, and in particular Article 44(5), first subparagraph, thereof,

Whereas:

- (1) On 29 June 2022, Arrow Regulatory (Ireland) Ltd submitted an application to the European Chemicals Agency ('the Agency') in accordance with Article 43(1) of Regulation (EU) No 528/2012 for Union authorisation of a single biocidal product named ELOCLEAR of product-types 2 and 4, as described in Annex V to that Regulation, providing written confirmation that the competent authority of France had agreed to evaluate the application. The application was recorded under case number BC-HD078032-58 in the Register for Biocidal Products.
- (2) ELOCLEAR contains active chlorine generated from sodium chloride by electrolysis as the active substance included in the Union list of approved active substances referred to in Article 9(2) of Regulation (EU) No 528/2012 for product-types 2 and 4.
- (3) On 11 March 2025, the evaluating competent authority submitted, in accordance with Article 44(1) of Regulation (EU) No 528/2012, an assessment report and the conclusions of its evaluation to the Agency.
- (4) On 2 October 2025, the Agency submitted to the Commission its opinion ⁽²⁾, the draft summary of the product characteristics ('SPC') of ELOCLEAR and the final assessment report on the single biocidal product, in accordance with Article 44(3) of Regulation (EU) No 528/2012.
- (5) The opinion concludes that ELOCLEAR is a single biocidal product within the meaning of Article 3(1), point (r), of Regulation (EU) No 528/2012, that it is eligible for Union authorisation in accordance with Article 42(1) of that Regulation and that, subject to compliance with the draft summary of the SPC, it meets the conditions laid down in Article 19(1) of that Regulation.
- (6) On 20 October 2025, the Agency transmitted to the Commission the draft SPC in all the official languages of the Union in accordance with Article 44(4) of Regulation (EU) No 528/2012.
- (7) The Commission concurs with the opinion of the Agency and considers it therefore appropriate to grant a Union authorisation for the single biocidal product 'ELOCLEAR'.

⁽¹⁾ OJ L 167, 27.6.2012, p. 1, ELI: <http://data.europa.eu/eli/reg/2012/528/oj>.

⁽²⁾ ECHA opinion of 10 September 2025 on the Union authorisation of the single biocidal product ELOCLEAR (ECHA/BPC/492/2025), <https://echa.europa.eu/opinions-on-union-authorisation>.

- (8) In its opinion, the Agency identified data gap on the analytical method used for the analysis of the active substance in the product and recommends that the authorisation holder provides recovery data for the analytical method for the active substance or a justification for waiving such data, as a condition in the authorisation. The Commission agrees with that recommendation and considers that the authorisation holder should determine the accuracy of the proposed method by providing recovery data on the active substance, or a justification waiving such data, as a condition relating to the making available on the market and use of the biocidal product pursuant to Article 22(1) of Regulation (EU) No 528/2012. The Commission also considers that the fact that data is to be provided after the authorisation is granted does not affect the conclusion on the fulfilment of the condition under Article 19(1), point (d), of that Regulation based on existing data.
- (9) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Biocidal Products,

HAS ADOPTED THIS REGULATION:

Article 1

A Union authorisation with authorisation number EU-0035839-0000 is hereby granted to Arrow Regulatory (Ireland) Ltd for the making available on the market and use of the single biocidal product 'ELOCLEAR' subject to compliance with the terms and conditions set out in Annex I and in accordance with the summary of the product characteristics set out in Annex II.

The Union authorisation is valid from 1 October 2026 until 30 September 2036.

Article 2

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 10 September 2026.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX I

Terms and conditions (EU-0035839-0000)

By 1 April 2027 the authorisation holder shall submit to the Agency recovery data for the analytical method used for the analysis of the active substance in the product, or a justification for waiving such data, to demonstrate the accuracy of the method.

ANNEX II

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

ELOCLEAR

Product type(s)

PT02: Disinfectants and algacides not intended for direct application to humans or animals

PT04: Food and feed area

Authorisation number: EU-0035839-0000**R4BP asset number:** EU-0035839-0000

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	ELOCLEAR
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1.2. Authorisation holder

Name and address of the authorisation holder	Name	Arrow Regulatory (Ireland) Ltd
	Address	The Black Church St. Mary's Place D07 P4AX Dublin IE
Authorisation number	EU-0035839-0000	
R4BP asset number	EU-0035839-0000	
Date of the authorisation	1 October 2026	
Expiry date of the authorisation	30 September 2036	

1.3. Manufacturer(s) of the product

Name of manufacturer	Irrelevant since the in situ generated biocidal product is "manufactured" at the site of use
Address of manufacturer	
Location of manufacturing sites	Irrelevant since the in situ generated biocidal product is "manufactured" at the site of use

1.4. Manufacturer(s) of the active substance(s)

Active substance	Active chlorine generated from sodium chloride by electrolysis
Name of manufacturer	Irrelevant since the in situ generated Active Substance is "manufactured" at the site of use
Address of manufacturer	
Location of manufacturing sites	Irrelevant since the in situ generated Active Substance is "manufactured" at the site of use

2. **PRODUCT COMPOSITION AND FORMULATION**2.1. **Qualitative and quantitative information on the composition of the product**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine generated from sodium chloride by electrolysis		Active substance			0,2 % (w/w)

2.2. **Type(s) of formulation**

AL- Other liquids to be applied undiluted

3. **HAZARD AND PRECAUTIONARY STATEMENTS**

Hazard statements	H290: May be corrosive to metals.
Precautionary statements	P406: Store in a corrosion resistant container with a resistant inner liner. P234: Keep only in original packaging. P390: Absorb spillage to prevent material damage.

4. **AUTHORISED USE(S)**4.1. **Use description**

Table 1

Use 1: Hard surface disinfection by spraying

Product type	PT02: Disinfectants and algicides not intended for direct application to humans or animals PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: bacteria Common name: bacteria Development stage: all Scientific name: fungi Common name: fungi Development stage: all Scientific name: yeasts Common name: yeasts Development stage: all Scientific name: viruses Common name: viruses Development stage: all Scientific name: bacterial spores Common name: bacterial spores Development stage: all Scientific name: mycobacteriaceae Common name: mycobacteria Development stage: all Scientific name: bacteriophages Common name: bacteriophages Development stage: all

Field(s) of use	indoor use Hard surface disinfection in industrial and healthcare facilities, in food processing industries (including dairy, meat industries, slaughterhouses and brewing industries)
Application method(s)	Method: spraying Detailed description: By spraying (trigger spraying, low pressure compression spraying 1-3 bars or medium pressure compression spraying up to 7 bars)
Application rate(s) and frequency	Application Rate: Apply 0,15 l/m ² of product to the surfaces Dilution (%): 0 Ready to use solution (2000 mg/l available Chlorine (av CL)) Number and timing of application: PT2, at room temperature: For general surface disinfection, for a contact time of 5 minutes against bacteria, yeast, fungi, virus and bacterial spores. For surface disinfection (healthcare), for a contact time of 5 minutes against bacteria, yeast, virus bacterial spores and mycobacteria; for a contact time of 15 minutes against fungi. PT2, at temperatures of at least 10°C and up to room temperature: For general surface disinfection, for a contact time of 5 minutes against bacteria and yeast. PT4, at room temperature: For general surface disinfection including meat industry and for surface disinfection in breweries, for a contact time of 5 minutes against bacteria, yeast, fungi, virus and bacterial spores. For surface disinfection of slaughterhouses, for a contact time of 5 minutes against bacteria, yeast and virus. PT4, at temperatures of at least 10°C and up to room temperature: For general surface disinfection including meat industry, for surface disinfection in dairy industries and slaughterhouses against bacteria and yeast for a contact of 5 minutes and against bacteriophages for dairy industry only. Frequency: Apply as necessary
Category(ies) of users	professional
Pack sizes and packaging material	Not applicable

4.1.1. Use-specific instructions for use

- Apply directly a 2000 mg/l av Cl solution generated by electrolysis from sodium chloride onto the surface using trigger spraying, low pressure spraying (1-3 bars) or medium pressure spraying (up to 7 bars).
- Apply only on non-porous surfaces.
- Only use on pre-cleaned surfaces.
- Apply the product uniformly on the surface to be treated in sufficient quantity to wet the surface completely.
- After contact time, rinse with water.

4.1.2. *Use-specific risk mitigation measures*

- During disinfection process by low or medium pressure compression spraying 1-3 bars and up to 7 bars and during rinsing,

Wear a respiratory protective equipment (RPE) protecting against combination of gases and particles with an assigned protection factor (APF) of at least 4. At least a device half/quarter mask (EN 140 or equivalent) with combination filter gas/P3: particle filter P3 according to the norm EN 143 and gas filter according to the norm EN 14387.

This is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full reference to this act.

- Bystanders and general public must not be present during disinfection process by compression sprayer (low and medium pressure) and until the aerial concentration of active chlorine is below the acceptable exposure concentration (AEC) of 0,5 mg/m³ or lower national reference value. Professional bystanders must wear the same RPE as the professional user if it is necessary to be present.

4.1.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

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4.1.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

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4.1.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

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4.2. **Use description**

Table 2

Use 2: Hard surface disinfection by mopping and wiping

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: bacteria Common name: bacteria Development stage: all Scientific name: yeasts Common name: yeasts Development stage: all Scientific name: fungi Common name: fungi Development stage: all Scientific name: viruses Common name: viruses Development stage: all Scientific name: bacterial spores Common name: bacterial spores Development stage: all Scientific name: mycobacteriaceae Common name: mycobacteria Development stage: all Scientific name: bacteriophages Common name: bacteriophages Development stage: all

Field(s) of use	indoor use Hard surface disinfection in industrial and healthcare facilities, in food processing industries (including dairy, meat industries, slaughterhouses and brewing industries)
Application method(s)	Method: mopping/wiping Detailed description: Application by mopping/wiping
Application rate(s) and frequency	Application Rate: Apply 0,15 l/m ² of product to the surface Dilution (%): 0 Ready to use solution (2000 mg/l available Chlorine (av CL)) Number and timing of application: PT2, at room temperature: For general surface disinfection, for a contact time of 5 minutes against bacteria, yeast, fungi, virus and bacterial spores. For surface disinfection (healthcare), for a contact time of 5 minutes against bacteria, yeast, virus, bacterial spores and mycobacteria; for a contact time of 15 minutes, against fungi. PT2, at temperatures of at least 10°C and up to room temperature: For general surface disinfection, for a contact time of 5 minutes against bacteria and yeast. PT4, at room temperature: For general surface disinfection including meat industry and for surface disinfection in breweries, for a contact time of 5 minutes against bacteria, yeast, fungi, virus and bacterial spores. For surface disinfection of slaughterhouses, for a contact time of 5 minutes against bacteria, yeast and virus. PT4, at temperatures of at least 10°C and up to room temperature: For general surface disinfection including meat industry, for surface disinfection in dairy industries and slaughterhouses against bacteria and yeast for a contact of 5 minutes and against bacteriophages for dairy industry only. Frequency: Apply as necessary
Category(ies) of users	professional
Pack sizes and packaging material	Not applicable

4.2.1. Use-specific instructions for use

- Immerse mop or cloth into a bucket containing a 2000 mg/l av Cl solution generated by electrolysis from sodium chloride. Ensure thorough wetting of the surface.
- Apply only on non-porous surfaces.
- Only use on pre-cleaned surfaces.
- Apply the product uniformly on the surface to be treated in sufficient quantity to wet the surface completely.
- After contact time, rinse with water.

4.2.2. Use-specific risk mitigation measures

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4.2.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

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4.2.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

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4.2.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

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4.3. Use description

Table 3

Use 3: Disinfection of inner surfaces (cleaning in place)

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: bacteria Common name: bacteria Development stage: all Scientific name: yeasts Common name: yeasts Development stage: all Scientific name: fungi Common name: fungi Development stage: all Scientific name: viruses Common name: viruses Development stage: all Scientific name: bacterial spores Common name: bacterial spores Development stage: all Scientific name: bacteriophages Common name: bacteriophages Development stage: all
Field(s) of use	indoor use Disinfection of inner surface in food processing industries (general disinfection including meat industry and specific industries (dairy industry, slaughterhouses and brewing industries).
Application method(s)	Method: Cleaning in place (CIP) with or without recirculation Detailed description:
Application rate(s) and frequency	Application rates: Apply 0,15 l/m ² of product to the surface Dilution (%): 0 Ready to use solution (2000 mg/l av CL (av CL)) Number and timing of application: PT4, at room temperature: For general surface disinfection including meat industry and for surface disinfection in breweries, for a contact time of 5 minutes against bacteria, yeast, fungi, virus and bacterial spores. For surface disinfection of slaughterhouses, for a contact time of 5 minutes against bacteria, yeast and virus.

	PT4, at temperatures of at least 10°C and up to room temperature : For general surface disinfection including meat industry, for surface disinfection in dairy industries and slaughterhouses against bacteria and yeast for a contact of 5 minutes and against bacteriophages for dairy industry only. Frequency: After each cleaning step in the process.
Category(ies) of users	professional
Pack sizes and packaging material	Not applicable

4.3.1. Use-specific instructions for use

- Dose directly into the system a 2000 mg/l av Cl solution generated by electrolysis in the system to be disinfected. Disinfection is carried out with or without recirculation
- Rinse treated surfaces with drinking water after application.
- Only use on pre-cleaned surfaces. Disinfection of inner surfaces is performed after each cleaning step in the process.

4.3.2. Use-specific risk mitigation measures

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4.3.3. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

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4.3.4. Where specific to the use, the instructions for safe disposal of the product and its packaging

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4.3.5. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

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5. GENERAL DIRECTIONS FOR USE ⁽¹⁾

5.1. Instructions for use

Instructions for device supplier:

Technical parameters of IGS to generate in situ AS concentration 2000 mg/l:

Technical device name: ELOCUBE or ELOSYSTEM

Precursor: Food grade PDV salt compliant with BS 998:1990

Precursor pH: 6 - 8

Salt delivery is either by bulk salt with automated delivery or manual application of salt to form the brine

Applied current density: 122,3 A/m²

⁽¹⁾ Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

Precursor inlet flow rate was 11,2 l/min/m²

Inlet precursor temperature: 18,6 – 19,0°C

Devices are fitted with a water softener

Water hardness: ≤1.0 °dH

Any other relevant operating conditions: Titanium anode coated with 100 % ruthenium or a blend of ruthenium and iridium (<20%)

Instructions for the end user:

In case support is needed, consult the device manual of ELOCUBE/ELOSYSTEM or contact the device supplier.

5.2. Risk mitigation measures

For manual mixing and loading: During the loading of the precursor, avoid contact with skin and eyes and wash hands after use.

Ensure that application is carried out in well-ventilated areas.

For food commodities, ensure that the concentration of chlorate present in food does not exceed the MRL values set in Regulation 2020/749.

Rinse the surfaces after application of the product.

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

F INHALED: If symptoms occur call a POISON CENTRE or a doctor.

IF SWALLOWED: If symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

5.4. Instructions for safe disposal of the product and its packaging

— Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains.

— Dispose of unused product and all other waste, in accordance with local regulations.

5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

— Store the produced in-situ product in a cool, frost-free place out of direct sunlight and below 20°C.

— The in-situ product can be stored on site for a maximum of 7 days at room temperature after in situ generation.

6. OTHER INFORMATION

— Inform the authorisation holder if the treatment is ineffective.

— The product is stable up to 7 days when stored at room temperature in HDPE

— With respect to the “Category(ies) of user(s)”: “Professionals (including industrial users)” means trained professionals if this is required by national legislation.

- Full titles of the EN standard mentioned in section 4.1.2:
 - EN 140 - Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking
 - EN 143 - Respiratory protective devices - Particle filters - Requirements, testing, marking
 - EN 14387 - Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking
 - Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
 - OJ L 131, 5.5.1998, pp. 11
 - ELI: <http://data.europa.eu/eli/dir/1998/24/oj>
 - Commission Regulation (EU) 2020/749 of 4 June 2020 amending Annex III to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for chlorate in or on certain products
 - OJ L 178, 8.6.2020, pp. 7
 - ELI: <http://data.europa.eu/eli/reg/2020/749/oj>
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