

Summary of product characteristics for a biocidal product

Product name: NEU 1170 H EC

Product type(s): PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

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Authorisation number: AT-0013884-BPF

R4BP 3 asset reference number: AT-0013884-0001

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Administrative information

1.1. Trade names of the product

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1.2. Authorisation holder

Name and address of the authorisation holder	Name	W. Neudorff GmbH KG
	Address	An der Mühle 3 31860 Emmerthal Germany
Authorisation number	AT-0013884-BPF 1-1	

R4BP 3 asset reference number

AT-0013884-0001

Date of the authorisation

11/07/2022

Expiry date of the authorisation

08/07/2032

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	W. Neudorff GmbH KG
Address of the manufacturer	An der Mühle 3 31860 Emmerthal Germany
Location of manufacturing sites	Otto-Brenner-Straße 13-15 21337 Lüneburg Germany

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

Active substance	47 - Nonanoic acid, Pelargonic acid
Name of the manufacturer	W. Neudorff GmbH KG (Emery Oleochemicals LLC)
Address of the manufacturer	An der Mühle 3 31860 Emmerthal Germany
Location of manufacturing sites	Emery Oleochemicals LLC, 4900 Este Ave 45232-1446 Cincinnati, Ohio United States

2. Product composition and formulation

2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Nonanoic acid, Pelargonic acid	Nonanoic acid	Active Substance	112-05-0	203-931-2	20,94
Ammonium hydroxide 25% solution	Ammonium hydroxide 25%	Non-active substance	1336-21-6	215-647-6	7,11
Propan-2-ol	Isopropanol	Non-active substance	67-63-0	200-661-7	0

2.2. Type of formulation

EC - Emulsifiable concentrate

3. Hazard and precautionary statements

Hazard statements	Causes serious eye irritation.
Precautionary statements	<p>If medical advice is needed, have product container or label at hand.</p> <p>Keep out of reach of children.</p> <p>Read carefully and follow all instructions.</p> <p>Wash hands thoroughly after handling.</p> <p>Wear eye protection.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>

If eye irritation persists: Get medical advice.

If eye irritation persists: Get medical attention.

Dispose of container to local regulations..

Dispose of contents to local regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Use 1 Algae – professional and non-professional users – spraying – outdoor – glass, wood, plastic, metal

Product type

PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

Algaecide

Target organism(s) (including development stage)

Scientific name: Chlorophyta spp.
Common name: Green algae
Development stage:

Field(s) of use

Outdoor

Algaecide for use on various surfaces made of glass, wood, plastic or metal (vertical and horizontal structures) like e.g. glasshouses, plastic tunnels, sports fields, fences or terraces.

Application method(s)

Method: Spraying
Detailed description:
Spraying with low pressure sprayer (commercially available garden sprayer with approx. 3 bar).

Application rate(s) and frequencies

Application Rate: 100 mL application solution per m² corresponding to 0.99 g a.s./m²
Dilution (%): 5% Dilution: mix 5 mL product and 95 mL water; 5%(w/w) product in water corresponding to 1%(w/w) a.s.
Number and timing of application:

Frequency: 1-2 times per year

(Use once. If re-infestation is detected, the application may be repeated, but do not apply more than two times per year.)

Category(ies) of users	Professional General public (non-professional)
Pack sizes and packaging material	<u>professional and non-professional:</u> Bottle (HDPE) with dosing device and HDPE lid: 500 mL to 1 L <u>professional:</u> Canister (HDPE) with HDPE lid: 5 L to 20 L

4.1.1 Use-specific instructions for use

100 mL spraying solution are needed per m² area to be treated. Estimate the area to be treated. Per square metre to be treated, measure 5 mL product with the dosing cap and mix it with 95 mL water directly in the reservoir of a commercially available garden sprayer (approx. 3 bar). Shake before application.

[Concerning products that will be notified within the BPF, authorisation holder has to indicated the exact use instructions (measure x mL product with the dosing cap and mix it with y mL water...) The instructions shall comply with the application rate expressed in g a.s./m².]

4.1.2 Use-specific risk mitigation measures

N-30, modified: Do not apply the product when there is wind, in order to avoid transfer to other areas by drift.

The equipment to be used for spraying must be a handheld manually operated low pressure (3 bar or below) device.

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

none

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

none

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

none

4.2 Use description

Use 2 - Use 2 Algae and lichen – professional and non-professional users – spraying – outdoor – roof tiles

Product type

PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

Algaecide

Target organism(s) (including development stage)

Scientific name: Chlorophyta spp.
Common name: Green algae
Development stage:

Scientific name: lichens
Common name: Lichens
Development stage:

Scientific name: Chrysophyceae
Common name: Yellow Algae
Development stage:

Field(s) of use

Outdoor

Algaecide for use on roof tiles.

Application method(s)

Method: Spraying

Detailed description:

Spraying with low pressure sprayer (commercially available garden sprayer with approx. 3 bar)

Application rate(s) and frequencies

Application Rate: 100 mL spraying solution/m² correspond to 0.99 g a.s./m².
Dilution (%): 5% Dilution: mix 5 mL product and 95 mL water; 5%(w/w) product in water corresponding to 1%(w/w) a.s.

Number and timing of application:

Frequency: 1-2 x per year

(Use once. If re-infestation is detected, the application may be repeated, but do not apply more than two times per year.)

Category(ies) of users	Professional General public (non-professional)
Pack sizes and packaging material	<u>professional and non-professional:</u> Bottle (HDPE) with dosing device and HDPE lid: 500 mL to 1 L <u>professional:</u> Canister (HDPE) with HDPE lid: 5 L to 20 L

4.2.1 Use-specific instructions for use

100 mL spraying solution are needed per m² area to be treated. Estimate the area to be treated. Per square metre to be treated, measure 5 mL product with the dosing cap and mix it with 95 mL water directly in the reservoir of a commercially available garden sprayer (approx. 3 bar). Shake before application.
[Concerning products that will be notified within the BPF, authorisation holder has to indicated the exact use instructions (measure x mL product with the dosing cap and mix it with y mL water...) The instructions shall comply with the application rate expressed in g a.s./m².]

4.2.2 Use-specific risk mitigation measures

N-30, modified: Do not apply the product when there is wind, in order to avoid transfer to other areas by drift.
The equipment to be used for spraying must be a handheld manually operated low pressure (3 bar or below) device.

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

none

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

none

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

none

4.3 Use description

Use 3 - Use 3 Algae and lichen – professional and non-professional users – spraying – outdoor – thatch roof

Product type

PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

Algaecide

Target organism(s) (including development stage)

Scientific name: Chlorophyta spp.
Common name: Green algae
Development stage:

Scientific name: lichens
Common name: Lichens
Development stage:

Field(s) of use

Outdoor

Algaecide for use on thatch roof

Application method(s)

Method: Spraying
Detailed description:
Spraying with low pressure sprayer (commercially available garden sprayer with approx. 3 bar).

Application rate(s) and frequencies

Application Rate: 500 mL spraying solution/m² correspond to 1.99 g a.s. /m².
Dilution (%): 2% Dilution: mix 10 mL product with 490 mL water; 2%(w/w) product in water corresponding to 0.4%(w/w) a.s.
Number and timing of application:

Frequency: 1-2 x per year

(Use once. If re-infestation is detected, the application may be repeated, but do not apply more than two times per year.)

Category(ies) of users

Professional

General public (non-professional)

Pack sizes and packaging material

professional and non-professional:
Bottle (HDPE) with dosing device and HDPE lid: 500 mL to 1 L

professional:
Canister (HDPE) with HDPE lid: 5 L to 20 L

4.3.1 Use-specific instructions for use

500 mL spraying solution are needed per m² area to be treated. Estimate the area to be treated. Per square metre to be treated, measure 10 mL product with the dosing cap and mix it with 490 mL water directly in the reservoir of a commercially available garden sprayer (approx. 3 bar). Shake before application.

[Concerning products that will be notified within the BPF, authorisation holder has to indicated the exact use instructions (measure x mL product with the dosing cap and mix it with y mL water...) The instructions shall comply with the application rate expressed in g a.s./m².]

4.3.2 Use-specific risk mitigation measures

N-30, modified: Do not apply the product when there is wind, in order to avoid transfer to other areas by drift. The equipment to be used for spraying must be a handheld manually operated low pressure (3 bar or below) device.

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

none

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

none

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

none

4.4 Use description

Use 4 - Use 4 Algae – professional and non-professional users – spraying – outdoor – pavement and masonry

Product type

PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

Algaecide

Target organism(s) (including development stage)

Scientific name: Chlorophyta spp.
Common name: Green algae
Development stage:

Field(s) of use

Outdoor

Algaecide for use on horizontal and vertical structures made of stone, bitumen, terracotta, slate or tiles like e.g. pavement, terraces, walls, facades, gravestones or flower pots.

Application method(s)

Method: Spraying
Detailed description:
Spraying with low or medium pressure sprayer (commercially available garden sprayer with approx. 3 bar).

Application rate(s) and frequencies

Application Rate: 100 mL spraying solution/m² correspond to 2.98 g a.s. /m².
Dilution (%): 15% Dilution: mix 15 mL product and 85 mL water; 15%(w/w) product in water corresponding to 3%(w/w) a.s.
Number and timing of application:

Frequency: 1-2 x per year
(Use once. If re-infestation is detected, the application may be repeated, but do not apply more than two times per year.)

Category(ies) of users

Professional

General public (non-professional)

Pack sizes and packaging material

professional and non-professional:
Bottle (HDPE) with dosing device and HDPE lid: 500 mL to 1 L
professional:
Canister (HDPE) with HDPE lid: 5 L to 20 L

4.4.1 Use-specific instructions for use

100 mL spraying solution are needed per m² area to be treated. Estimate the area to be treated. Per square metre to be treated, measure 15 mL product with the dosing cap and mix it with 85 mL water directly in the reservoir of a commercially available garden sprayer (approx. 3 bar). Shake before application.

[Concerning products that will be notified within the BPF, authorisation holder has to indicated the exact use instructions (measure x mL product with the dosing cap and mix it with y mL water...) The instructions shall comply with the application rate expressed in g a.s./m².]

4.4.2 Use-specific risk mitigation measures

N-30, modified: Do not apply the product when there is wind, in order to avoid transfer to other areas by drift. The equipment to be used for spraying must be a handheld manually operated low pressure (3 bar or below) device.

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

none

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

none

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

none

4.5 Use description

Use 5 - Use 5 Algae – professional and non-professional users – watering – outdoor - pavement

Product type

PT02 - Disinfectants and algacides not intended for direct application to humans or animals (Disinfectants)

Where relevant, an exact description of the authorised use

Algacide

Target organism(s) (including development stage)

Scientific name: Andere: Chlorophyta spp.
Common name: Green algae
Development stage:

Field(s) of use	Outdoor Algaecide for use on horizontal structures made of stone, bitumen, terracotta, slate, tiles or wood like e.g. pavement or terraces.
Application method(s)	Method: Watering with watering can Detailed description: Watering with watering can with spout with small holes
Application rate(s) and frequencies	Application Rate: 200 mL watering solution/m ² corresponding to 2.98 g a.s. /m ² Dilution (%): 7.5% Dilution: mix 15 mL product and 185 mL water 7.5%(w/w) product in water corresponding to 1.5%(w/w) a.s. Number and timing of application: Frequency: 1-2 x per year (Use once. If re-infestation is detected, the application may be repeated, but do not apply more than two times per year.)
Category(ies) of users	Professional General public (non-professional)
Pack sizes and packaging material	<u>professional and non-professional:</u> Bottle (HDPE) with dosing device and HDPE lid: 500 mL to 1 L <u>professional:</u> Canister (HDPE) with HDPE lid: 5 L to 20 L

4.5.1 Use-specific instructions for use

200 mL application solution are needed per m² area to be treated. Estimate the area to be treated. Per square metre to be treated, measure 15 mL product with the dosing cap and mix it with 185 mL water directly in a commercially available watering can. Use a spout with small holes.

[Concerning products that will be notified within the BPF, authorisation holder has to indicated the exact use instructions (measure x mL product with the dosing cap and mix it with y mL water...) The instructions shall comply with the application rate expressed in g a.s./m².]

4.5.2 Use-specific risk mitigation measures

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

none

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

none

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

none

5. General directions for use

5.1. Instructions for use

Comply with the instructions for use.

Mix before use by shaking the closed container.

Application is recommended at temperatures >10°C.

Cover area adjacent to the treated objects with an impermeable cover (e.g. plastic foil, 0.5 m width).

Apply the application solution evenly and make sure that the entire area affected by green cover is well wetted.

Remove and dispose the impermeable cover after treatment.

Allow the product to take effect for at least several days.

Green cover dries out after treatment.

Then, if necessary, brush off the dry green cover.

Do not use above or adjacent to surface waters.

Do not treat in rainy weather or on frozen surfaces.

5.2. Risk mitigation measures

The area adjacent to the treated surface shall be protected by an impermeable cover (width of 0.5 m) during application of the product.

N-131: Do not apply the product in case rain is expected within 24 hrs.

Do not rinse treated surfaces with water after application.

Areas covered by plants, which may have been exposed unintentionally shall be watered extensively in order to avoid any damage to plants.

Spray on dry contaminated surfaces evenly from a distance of about 30 cm until they are completely dampened. Do not apply more fluid than necessary and avoid that droplets runoff from surfaces during application.

Avoid contact with eyes.

Avoid splashes when making a dilution.

N-70, modified: The use of eye protection during handling of the product is mandatory for professional users.

N-315: Keep uninvolved persons, children and pets away from treated surfaces until dried.

Wash hands thoroughly after handling.

Note to the applicant: The product must be placed on the market with special packaging to minimize risk for eye exposure by splashes. Child-proof closure for smaller packages (500 ml and 1 L) that are purchasable by non-professional users is recommended to be applied.

Dosing aids (visible filling level and volume scale) shall be integrated into the packaging for non-professional users.

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

First aid instructions:

If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call a POISON CENTRE or a doctor.

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance. If no symptoms: 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: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

Personal precautions:

Forms slippery surfaces with water. Carefully clean up spills, since product forms slippery surfaces with water.

Environmental precautions:

Dilute accidentally spilled residues with plenty of water.

Methods and material for containment and cleaning up:

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

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

Product residues, contaminated materials (including absorbent material or impermeable cover) and empty containers must be collected and disposed of in accordance with the national waste disposal legislation and any regional and/or local authority requirements.

N-37: Do not discharge the biocidal product nor the diluted solution of the biocidal product into the sewage system or the environment.

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

Store product at ambient temperature only in original container.

N-301: Do not store near food, drink and feed.

Protect from frost. Store locked up.

Keep out of reach of children and non-target animals/pets.

Stability during storage: at least 5 years.

6. Other information

Inform the registration holder if the treatment is ineffective.

Note to the applicant meta SPC 1:

It is recommended to equip the packages with a child-proof closure.

