

Summary of product characteristics for a biocidal product

Product name: ACTICIDE C 1

Product type(s): PT06 - Preservatives for products during storage (Preservatives)

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Authorisation number: FR-2021-0015

R4BP 3 asset reference number: FR-0026601-0000

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Administrative information

1.1. Trade names of the product

ACTICIDE C1

1.2. Authorisation holder

Name and address of the authorisation holder	Name	THOR GmbH
	Address	Landwehrstrasse 1 D-67346 Speyer Germany
Authorisation number	FR-2021-0015	
R4BP 3 asset reference number	FR-0026601-0000	
Date of the authorisation	17/03/2021	
Expiry date of the authorisation	17/03/2025	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Thor GmbH
Address of the manufacturer	Landwehrstraße 1 67346 Speyer Germany
Location of manufacturing sites	Landwehrstraße 1 67346 Speyer Germany

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

Active substance	1883 - 5-Chloro-2-methyl-2H-isothiazol-3-one (CIT)
Name of the manufacturer	Thor GmbH
Address of the manufacturer	Landwehrstraße 1 67346 Speyer Germany
Location of manufacturing sites	Landwehrstraße 1 67346 Speyer Germany

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 (%)
5-Chloro-2-methyl-2H-isothiazol-3-one (CIT)	5-chloro-2-methylisothiazol-3(2H)-one	Active Substance	26172-55-4	247-500-7	1,11

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	<p>Causes severe skin burns and eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>Corrosive to the respiratory tract.</p>
Precautionary statements	<p>Do not breathe .</p> <p>Wash thoroughly after handling.</p> <p>Contaminated work clothing should not be allowed out of the workplace.</p> <p>Wear protective gloves/ protective clothing/eye protection/face protection..</p> <p>Avoid release to the environment.</p>

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with .

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a .

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical .

Take off contaminated clothing. And wash it before reuse.

Collect spillage.

Store locked up.

Dispose of to .

4. Authorised use(s)

4.1 Use description

Use 1 - Preservation of washing and cleaning fluids (general) and other detergents

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: other Common name: Yeasts Development stage: other</p> <p>Scientific name: other Common name: Bacteria Development stage: other</p> <p>Scientific name: other Common name: Fungi Development stage: other</p>
Field(s) of use	<p>Indoor</p> <p>Preservation of household cleaning products, cleaning products for professionals, textile washing products and softener</p>
Application method(s)	<p>Method: Automatic or manual Detailed description: Automatic or manual</p>

Application rate(s) and frequencies

Application Rate: Bacteria: 5.55 15 mg a.s./kg; Yeasts: 8.33 15 mg a.s./kg; Fungi : 2.78 15 mg a.s./kg
Dilution (%): -
Number and timing of application:
-

Category(ies) of users

Industrial

Pack sizes and packaging material

5 - 25 L HDPE Can
100 L HDPE Barrel
1000 L HDPE Container
25 – 220 L - HDPE Drum
600 – 1200L – IBC (HDPE)
The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

4.1.1 Use-specific instructions for use

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4.1.2 Use-specific risk mitigation measures

- The person responsible for the placing on the market of articles for professional users shall ensure that the concentration of C(M)IT in treated articles do not exceed the threshold value set for sensitizing properties.

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

-

4.2 Use description

Use 2 - Preservation of paints and coatings

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: other Common name: fungi (except yeasts) Development stage: other
Field(s) of use	Indoor Preservation of interior paints and coatings
Application method(s)	Method: Automatic or manual Detailed description: Automatic or manual
Application rate(s) and frequencies	Application Rate: 5.55 15 mg a.s./kg Dilution (%): - Number and timing of application: -
Category(ies) of users	Industrial
Pack sizes and packaging material	5 - 25 L HDPE Can 100 L HDPE Barrel 1000 L HDPE Container 25 – 220 L - HDPE Drum 600 – 1200L – IBC (HDPE) The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

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4.2.1 Use-specific instructions for use

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4.2.2 Use-specific risk mitigation measures

- The person responsible for the placing on the market of articles for professional users shall ensure that the concentration of C(M)IT in treated articles do not exceed the threshold value set for sensitizing properties.
- The addition of the product ACTICIDE C1 in additives for paints and coatings must be carried out only in plants connected to industrial STPs.
- The person responsible for the placing on the market of treated articles shall ensure that the label of these treated articles provides the following information:
 - Use indoor only.

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

Use 3 - Preservation of additives used in Paper production

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: other Common name: Bacteria Development stage: other Scientific name: other Common name: Yeasts Development stage: other Scientific name: other Common name: Fungi Development stage: other
Field(s) of use	Indoor Preservation of products used for paper production such as a photo paper coating, in the paper industry for dry-end operations only
Application method(s)	Method: Automatic or manual Detailed description: Automatic or manual
Application rate(s) and frequencies	Application Rate: Bacteria: 8.33 -22.2 mg a.s./kg ; Yeasts: 22.2 mg a.s./kg ; Fungi: 5.55 -22.2 mg a.s./kg Dilution (%): - Number and timing of application: -
Category(ies) of users	Industrial
Pack sizes and packaging material	5 - 25 L HDPE Can 100 L HDPE Barrel 1000 L HDPE Container 25 – 220 L - HDPE Drum 600 – 1200 L – IBC (HDPE) The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

4.3.1 Use-specific instructions for use

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4.3.2 Use-specific risk mitigation measures

- Restrict the use of the product for the preservation of additives used in the paper industry for dry-end operations only.
- The person responsible for the placing on the market of treated articles shall ensure that the label of these treated articles provides the following information:
 - The use of additives preserved by ACTICIDE C1 must be carried out in structures connected to industrial STPs.

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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4.4 Use description

Use 4 - Preservation of glues and adhesives

Product type

PT06 - Preservatives for products during storage (Preservatives)

Where relevant, an exact description of the authorised use

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Target organism(s) (including development stage)

Scientific name: Other
Common name: Bacteria
Development stage: -

Scientific name: Other
Common name: Yeasts
Development stage: Other

Scientific name: Other
Common name: Fungi
Development stage: Other

Field(s) of use	Indoor Preservation of water based glues and adhesives belonging to the group of Physical hardening adhesives, e.g. solvent-based adhesives, dispersion adhesives (latex), colloidal systems, contact adhesives, etc.
Application method(s)	Method: Automatic or manual Detailed description: Automatic or manual
Application rate(s) and frequencies	Application Rate: Bacteria: 33.3 -400 mg a.s./kg ; Yeasts: 22.2 -400 mg a.s./kg ; Fungi: 5.55 -400 mg a.s./kg Dilution (%): - Number and timing of application: -
Category(ies) of users	Industrial
Pack sizes and packaging material	5 - 25 L HDPE Can 100 L HDPE Barrel 1000 L HDPE Container 25 – 220 L - HDPE Drum 600 – 1200L – IBC (HDPE) The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

4.4.1 Use-specific instructions for use

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4.4.2 Use-specific risk mitigation measures

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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

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

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

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4.5 Use description

Use 5 - Preservation of pigment paste

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: yeasts Common name: Yeasts Development stage: other Scientific name: other Common name: Fungi Development stage: other
Field(s) of use	Indoor Preservation of pigment paste. Pigment pastes are highly concentrated additives which are incorporated into paints to dye the basic paint with different colours.
Application method(s)	Method: automatic or manual Detailed description: Automatic or manual
Application rate(s) and frequencies	Application Rate: Yeasts: 16.65 - 40 mg a.s./kg ; Fungi: 22.2 - 40 mg a.s./kg Dilution (%): Number and timing of application: Yeasts: 16.65 - 40 mg a.s./kg Fungi: 22.2 - 40 mg a.s./kg

Category(ies) of users

Industrial

Pack sizes and packaging material

5 - 25 L HDPE Can

100 L HDPE Barrel
1000 L HDPE Container

25 – 220 L - HDPE Drum
600 – 1200L – IBC (HDPE)

The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

4.5.1 Use-specific instructions for use

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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

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

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

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4.6 Use description

Use 6 - Preservation of colourants

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: bacteria Common name: bacteria Development stage: other Scientific name: other Common name: Fungi (except yeasts) Development stage: other
Field(s) of use	Indoor Preservation of colourants. They are usually liquid mixtures in which the pigment is already dispersed in order to make the incorporation into the paint/varnish easier.
Application method(s)	Method: Automatic or manual Detailed description: Automatic or manual
Application rate(s) and frequencies	Application Rate: Bacteria: 11.1 - 40 mg a.s./kg ; Fungi: 5.55 - 40 mg a.s./kg Dilution (%): Number and timing of application: Bacteria: 11.1 - 40 mg a.s./kg Fungi: 5.55 - 40 mg a.s./kg
Category(ies) of users	Industrial
Pack sizes and packaging material	5 - 25 L HDPE Can 100 L HDPE Barrel 1000 L HDPE Container 25 – 220 L - HDPE Drum 600 – 1200L – IBC (HDPE) The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.

4.6.1 Use-specific instructions for use

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4.6.2 Use-specific risk mitigation measures

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4.6.3 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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4.6.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

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

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4.7 Use description

Use 7 - Preservation of polymer dispersions

Product type	PT06 - Preservatives for products during storage (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Other Common name: Bacteria Development stage: other Scientific name: other Common name: Yeasts Development stage: other Scientific name: other Common name: Fungi Development stage: other

Field(s) of use

Application method(s)	<p>Indoor</p> <p>Preservation of polymer dispersions. Polymer dispersions can be used for the production of various end-products such as paints, sealants, adhesives or pigment pastes.</p> <p>Method: automatic or manual Detailed description: Automatic or manual</p>
Application rate(s) and frequencies	<p>Application Rate: Bacteria: 8.33 - 40 mg a.s./kg; Yeasts: 10.55 - 40 mg a.s./kg ; Fungi: 5.55 – 40 mg a.s./kg Dilution (%): - Number and timing of application:</p> <p>Bacteria: 8.33 - 40 mg a.s./kg Yeasts: 10.55 - 40 mg a.s./kg Fungi: 5.55 – 40 mg a.s./kg</p>
Category(ies) of users	<p>Industrial</p>
Pack sizes and packaging material	<p>5 - 25 L HDPE Can 100 L HDPE Barrel 1000 L HDPE Container 25 – 220 L - HDPE Drum 600 – 1200L – IBC (HDPE) The product may only be dispensed from pack sizes larger than 20 L using an automatic dosing system.</p>

4.7.1 Use-specific instructions for use

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4.7.2 Use-specific risk mitigation measures

- The addition of the product ACTICIDE C1 in polymer dispersions must be carried out only in plants connected to industrial STPs.
- The person responsible for the placing on the market of articles containing preserved polymer dispersions shall ensure that the label of these treated articles provides the following information:
 - Use indoor only.

4.7.3 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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4.7.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

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4.7.5 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

5.1. Instructions for use

- Always read the label or leaflet before use and follow all the instructions provided.
- The product is preferably added to the system via a metering pump (continuous or discontinuous) at a location where it is distributed quickly and evenly in the product to be preserved. The addition may be effected at any stage of the production of the product. For optimum conservation it is recommended to make the addition as early as possible.
- Microbiological tests to prove the adequacy of preservation have to be undertaken by the user of ACTICIDE C1 in order to determine the effective dose of the preservative for the specific matrix/location/system.
- The duration and storage conditions of the preserved matrices may impact the efficacy of the product, microbiological tests should be conducted to determine the appropriate application rate without exceeding the maximum authorised application rate.
- If needed, consult the manufacturer of the preservative product.
- Inform the registration holder if the treatment is ineffective.

5.2. Risk mitigation measures

- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), a protective coverall (at least category III type 4), respiratory protection and face shield, during handling of product.
- Minimization of manual phases.

The person responsible for the placing on the market of articles for non-professional users shall ensure that the concentration of C(M)IT in treated articles do not exceed the threshold value set for sensitizing properties.

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

- Skin contact: Remove contaminated clothing and shoes. Wash contaminated skin with water. Contact poison treatment specialist if symptoms occur.
- Eye contact: Immediately flush with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easy to do. Continue to rinse with tepid water for at least 10 minutes. Get medical attention if irritation or vision impairment occurs.
- Ingestion: Wash out mouth with water. Contact poison treatment specialist. Seek medical advice immediately if symptoms occur and/or large quantities have been ingested. Do not give fluids or induce vomiting.
- Inhalation (of spray mist): Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice immediately if symptoms occur and/or large quantities have been inhaled.
- In case of impaired consciousness place in recovery position and seek medical advice immediately.
- Keep the container or label available.

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, its packaging (...) 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

- Shelf-life: 2 years.
- Store at temperature > 0°C.

6. Other information

- Contains methyl-2H-isothiazol-3-one (MIT).