Summary of product characteristics for a biocidal product

Product name: Biosperse™ 250 MICROBIOCIDE

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

PT06 - Preservatives for products during storage (Preservatives)

PT06 - Preservatives for products during storage (Preservatives)

PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)

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PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)

PT12 - Slimicides (Preservatives)

PT12 - Slimicides (Preservatives)

PT12 - Slimicides (Preservatives)

Authorisation number: EU-0025678-0000

R4BP 3 asset reference number: EU-0025678-0003

Table Of Contents

Administrative information

1.1. Trade names of the product

Biosperse™ 250 MICROBIOCIDE
Biosperse™ 251 MICROBIOCIDE
Biosperse™ 850 MICROBIOCIDE
Biosperse™ 851 MICROBIOCIDE
Spectrum™ RX6810 MICROBIOCIDE
Spectrum™ RX6820 MICROBIOCIDE

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Solenis Switzerland GmbH
	Address	Mühlentalstrasse 38 8200 Schaffhausen Switzerland
Authorisation number	EU-0025678-0000 1-1	

R4BP 3 asset reference number	EU-0025678-0003
Date of the authorisation	03/05/2023
Expiry date of the authorisation	31/08/2032

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Solenis Switzerland GmbH
Address of the manufacturer	Mühlentalstrasse 38 8200 Schaffhausen Switzerland
Location of manufacturing sites	Fütingsweg 20 D-47805 Krefeld Germany
	Wimsey Way, Somercotes DE55 4LR Alfreton United Kingdom
	Högastensgatan 18 252 32 Helsingborg Sweden
	AD International B.V. Markweg Zuid 27 4793 ZJ Fijnaart Netherlands

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

Active substance	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
Name of the manufacturer	Specialty Electronic Materials Switzerland GmbH
Address of the manufacturer	Bachtobelstrasse 3 8810 Horgen Switzerland
Location of manufacturing sites	Jiangsu FOPIA Chemicals Co., Ltd, Touzeng Village 224555 Binhuai Town, Binhai County, Yancheng City, Jiangsu, China
	Rohm and Haas (UK) Ltd. Tyneside Works, Ellison Street, NE32 3DJ Jarrow United Kingdom

Active substance	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
Name of the manufacturer	Thor GmbH
Address of the manufacturer	Landwehrstraße 1 67346 Speyer Germany
Location of manufacturing sites	Landwehrstraße 1 67346 Speyer Germany

Active substance	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
Name of the manufacturer	Thor Quimicos de México, SA de CV
Address of the manufacturer	Km 182 Autopista México – Querétaro, Pedro Escobedo 76700 Querétaro Mexico
Location of manufacturing sites	Km 182 Autopista México – Querétaro, Pedro Escobedo 76700 Querétaro Mexico

Active substance	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
Name of the manufacturer	Troy Chemical Company BV
Address of the manufacturer	Poortweg 4C 2612 Delft Netherlands
Location of manufacturing sites	Weifang Heaven-sent New Materials Technology Co. Ltd, Binhai Road, Changyi Coastal Economic Development Zone 261312 Weifang China
	Dalian Xingyuan Chemistry Co., Ltd, Room 1205/1206, Pearl River International Building, No.99, Xinkai Road, Xigang District, Songmudao Chemical Industry Zone, Puwan New District 116308 Dalian China
	Dalian Bio-Chem Company Limited, Songmudao Plant: Songmudao Chemical Industry, Zone, Puwan New District 116308 Dalian China

Active substance	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
Name of the manufacturer	Jiangsu FOPIA Chemicals Co., Ltd
Address of the manufacturer	Touzeng Village, Binhuai Town, Binhai County 224555 Yancheng City China
Location of manufacturing sites	Touzeng Village, Binhuai Town, Binhai County 224555 Yancheng City China

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 (%)
Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)		Active Substance	55965-84-9		2,3

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	Harmful if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract. May be corrosive to metals. Harmful if swallowed.
Precautionary statements	Do not breathe fume. Wash skin thoroughly after handling. Do no eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. Take off contaminated clothing.And wash it before reuse. If skin irritation or rash occurs:Get medical advice. IF SWALLOWED:Rinse mouth.Do NOT induce vomiting. IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with water. IF INHALED:Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage. Store locked up. Keep only in original packaging. IF SWALLOWED:Call a POISON CENTER/ doctor if you feel unwell. Store in a corrosion-resistant container with a resistant inner liner.

	Absorb spillage to prevent material damage.

4. Authorised use(s)

4.1 Use description

Use 1 -
Preservation of polymer lattices

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: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage:
Field(s) of use	Indoor Preservation of polymer latexes The biocidal product is recommended for the control of bacteria, yeast and fungi in the manufacture, storage, and transport of latexes, synthetic polymers including Hydrolysed Poly Acryl Amide (HPAM) and biopolymers (e.g. xanthan, dextran..) natural latexes.
Application method(s)	Method: Closed system Detailed description: Manual and automated application. The biocidal product should be dispensed to the end use fluid at a point to ensure adequate mixing using preferably automated metering pump or by manual addition.

Application rate(s) and frequencies	Application Rate: Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products; Professional uses: 14,9 - 50 mg /kg of C(M)IT/MIT (3:1) in final product. Dilution (%): - Number and timing of application: The biocidal product is added at single dose at the time of manufacture, storage or shipment. To ensure uniform distribution, slowly disperse using automated metering or manual addition, into product with agitation. Mix thoroughly until evenly dispersed throughout the product. Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products. Professional uses 14,9 - 50 mg /kg of C(M)IT/MIT (3:1) in final product. For the biocidal product as supplied: for industrial use only.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.1.1 Use-specific instructions for use

- The preservative can be added at any stage of the production of the product.

- Earliest possible addition is recommended for optimal protection.

- Consult the manufacturer to determine the optimal dosage for the various products to be preserved.

- It is recommended that the optimum biocide concentration and compatibility with individual formulations is determined by means of laboratory tests.

- 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.

- The biocidal product shall be used for treatment of products (articles/mixtures) distributed only to professional users.

4.1.2 Use-specific risk mitigation measures

- During handling phases of products from Meta SPC 1, 2, 3 and 4 (mixing and loading), exposure to the product (corrosive and skin sensitizer products) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);

• Use of a dosing device;

• Regular cleaning of equipment and work area;

• Avoidance of contact with contaminated tools and objects;

• Good standard of general ventilation;

• Training and management of staff on good practice.

- PPE is as follows:

• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);

• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);

• Eye protection;

• Substance/task appropriate respirator if ventilation is inadequate.

- The maximal products concentration used for the preservation of polymer lattices being above the threshold value of 15 ppm, exposure has to be limited by use of PPE, protecting skin and mucous membranes potentially exposed, and application of technical and organisational RMM:

• Minimisation of manual phases;

• Use of a dosing device;

• Regular cleaning of equipment and work area;

• Good standard of general ventilation;

• Training and management of staff on good practice.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 -
Preservation of mineral slurries

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: Common name: Bacteria Development stage:
Field(s) of use	Indoor Preservation of mineral slurries The biocidal product is recommended to control the growth of bacteria in aqueous-based inorganic/mineral slurries and inorganic pigments which are formulated into paints, coatings and paper.
Application method(s)	Method: Closed system Detailed description: Manual and automated application. The biocidal product should be dispensed as a tankside additive into the circulating use-dilution of the fluid, using a metering pump or by manual pouring, at a point to assure adequate mixing throughout the system.

Application rate(s) and frequencies	Application Rate: Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products; Professional uses: 10- 30 mg/kg of C(M)IT/MIT (3:1) in final product. Dilution (%): - Number and timing of application: The biocidal product is added at single dose at the time of manufacture, storage or shipment. Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products. Professional uses: 10- 30 mg/kg of C(M)IT/MIT (3:1) in final product. For the biocidal product as supplied: for industrial use only.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.2.1 Use-specific instructions for use

- The preservative can be added at any stage of the production of the product.

- Earliest possible addition is recommended for optimal protection.

- Consult the manufacturer to determine the optimal dosage for the various products to be preserved.

- It is recommended that the optimum biocide concentration and compatibility with individual formulations is determined by means of laboratory tests.

- 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.

- The biocidal product shall be used for treatment of products (articles/mixtures) distributed only to professional users.

4.2.2 Use-specific risk mitigation measures

- During handling phases of products from Meta SPC 1, 2, 3 and 4 (mixing and loading), exposure to the product (corrosive and skin sensitizer products) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;

• Good standard of general ventilation;

• Training and management of staff on good practice.

- PPE is as follows:

• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);

• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);

• Eye protection;

• Substance/task appropriate respirator if ventilation is inadequate.

The maximal products concentration used for the preservation of mineral slurries being above the threshold value of 15 ppm, exposure has to be limited by use of PPE, protecting skin and mucous membranes potentially exposed, and application of technical and organisational RMM:

• Minimisation of manual phases;
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Good standard of general ventilation;
• Training and management of staff on good practice.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 Use description

Use 3 -
Preservation of functional fluids (hydraulic fluids, antifreeze, corrosion inhibitors, etc. - excluding fuel additives)

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: Common name: Bacteria Development stage:
Field(s) of use	Indoor Preservation of functional fluids (hydraulic fluids, antifreeze, corrosion inhibitors, etc. - excluding fuel additives) The biocidal product is recommended to control the growth of bacteria in functional fluids such as brake and hydraulic fluids, antifreeze additives, corrosion inhibitors, spinning fluids. The biocidal product inhibits the growth microorganisms, which would otherwise lead to odours formation, viscosity alteration, discolouration of product and premature product failure.
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing. The biocidal product should be dispensed to the end use fluid at a point to ensure adequate mixing using preferably automated metering pump or by manual addition.
Application rate(s) and frequencies	Application Rate: Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products. Professional uses: Add at a typical use rate between 6 to 30 mg C(M)IT/MIT (3:1) per kg final product to be treated. Dilution (%): - Number and timing of application: The biocidal product is added at single dose at time of manufacturing, storage or shipment. Industrial uses: 1,5 - 14,5 % C(M)IT/MIT in the biocidal products. Professional uses:

	Add at a typical use rate between 6 to 30 mg C(M)IT/MIT (3:1) per kg final product to be treated For the biocidal product as supplied: for industrial use only.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.3.1 Use-specific instructions for use

- The preservative can be added at any stage of the production of the product.

- Earliest possible addition is recommended for optimal protection.

- Consult the manufacturer to determine the optimal dosage for the various products to be preserved.

- It is recommended that the optimum biocide concentration and compatibility with individual formulations is determined by means of laboratory tests.

- 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.

- The biocidal product shall be used for treatment of products (articles/mixtures) distributed only to professional users.

4.3.2 Use-specific risk mitigation measures

- During handling phases of products from Meta SPC 1, 2, 3 and 4 (mixing and loading), exposure to the product (corrosive and skin sensitizer products) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

- The maximal products concentration used for the preservation of functional fluids (hydraulic fluids, antifreeze, corrosion inhibitors, etc…) being above the threshold value of 15 ppm, exposure has to be limited by use of PPE, protecting skin and mucous membranes potentially exposed, and application of technical and organisational RMM:

• Minimisation of manual phases;

• Use of a dosing device;

• Regular cleaning of equipment and work area;

• Good standard of general ventilation;

• Training and management of staff on good practice.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 Use description

Use 4 -
Preservation of liquids used in closed recirculating cooling systems

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria (including Legionella pneumophila) Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage:
Field(s) of use	Indoor Outdoor Preservation of liquids used in closed recirculating cooling systems (Closed re-circulating cooling water systems comprise compressor cooling, air conditioning chilled water, boilers, engine jacket cooling, power supply cooling, and other industrial processes). The biocidal product is used to control the growth of aerobes and anaerobes bacteria, yeast, fungi, and biofilm in the circulating water of closed systems
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing.
Application rate(s) and frequencies	Application Rate: Curative efficacy:- against bacteria (including L. pneumophila) at 5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 24 hours - against biofilm: 14,9 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 24 hours.- against fungi and yeasts at 1 – 3 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 48 hours. Preventive efficacy:- against bacteria (including L. pneumophila) at 3 – 14,9 g C(M)IT/MIT (3:1) / m3 of water. - against biofilm (including L. pneumophila): 3 g C(M)IT/MIT (3:1) / m3 of water. Dilution (%): - Number and timing of application: Curative efficacy: - against bacteria (including L. pneumophila) at 5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 24 hours - against biofilm: 14,9 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 24 hours - against fungi and yeasts at 1 – 3 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 48 hours Preventive efficacy: against bacteria (including L. pneumophila) at 3 – 14,9 g C(M)IT/MIT (3:1) / m3 of water.

	against biofilm (including L. pneumophila): 3 g C(M)IT/MIT (3:1) / m3 of water.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.4.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.4.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.

- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:
• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 Use description

Use 5 -
Preservation of liquids used in small open recirculating cooling systems

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria (including Legionella pneumophila) Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage: Scientific name: Common name: Algae (green algae and cyanobacteria) Development stage:
Field(s) of use	Indoor Outdoor Preservation of liquids used in small open recirculating cooling systems (blowdown and recirculating flow rates, as well as total volume of water limited to 2 m3/h, and 100 m3/h and 300 m3 respectively) Process and cooling water: Used to control the growth of bacteria, algae, fungi and biofilm

Application method(s)	Method: Open system Detailed description: Manual and automated dosing. .
Application rate(s) and frequencies	Application Rate: Curative treatment Against bacteria (including L. pneumophila) at 5 – 14,9 g C(M)IT/MIT (3:1) / m3 of water , - against biofilm (including L. pneumophila) at 1,5 to 14,9 g C(M)IT/MIT (3:1) / m3 of water, - against fungi (including yeast) at 1 – 14,9 g C(M)IT/MIT (3:1) / m3 of water. Preventive treatment: - Against bacteria, green algae and cyanobacteria at 3 g C(M)IT/MIT (3:1) / m3 of water, - against biofilm (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water. Dilution (%): - Number and timing of application: Curative treatment: - Against bacteria (including L. pneumophila) at 5 – 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 24 hours - against biofilm (including L. pneumophila) at 1,5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 48 hours. - against fungi and yeast at 1 – 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 48 hours. Preventive treatment: - against bacteria, green algae and cyanobacteria at 3 g C(M)IT/MIT (3:1) / m3 of water. - against biofilm (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water.

Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.5.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.5.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.

- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:
• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

- Cooling fluid must not enter surface water directly. Use product only in premises that are connected to a STP.

- The product can only be used when the cooling towers are equipped with drift eliminators that reduce the drift at least by 99%.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 Use description

Use 6 -
Preservation of liquids used in pasteurizers, conveyor belts and air washers

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria (including Legionella pneumophila) Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage: Scientific name: Common name: Algae (green algae and cyanobacteria) Development stage:
Field(s) of use	Indoor Outdoor Preservation of liquids used in non-food pasteurizers and conveyor belts, air washers.
Application method(s)	Method: - Detailed description: The biocidal product is dosed automatically in the heat transfer fluid, in a place of good mixing (e.g. collecting sump below the conveyor belt). The feeding pipe is used to dose the biocidal product below the water level in order to limit its evaporation.
	Application Rate: Curative treatment: -against bacteria (including L. pneumophila): 5 -

Application rate(s) and frequencies	14,9 g C(M)IT/MIT (3:1) / m3 of water - against biofilm (including L. pneumophila) at 1,5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water - against fungi and yeast at 1 – 14,9 g C(M)IT/MIT (3:1) / m3 of water. Preventive treatment: Against bacteria, green algae and cyanobacteria at 3 g C(M)IT/MIT (3:1) / m3 of water, against biofilm (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water. Dilution (%): - Number and timing of application: Curative treatment: against bacteria (including L. pneumophila): 5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water. Contact time: 24 hours - against biofilm (including L. pneumophila) at 1,5 - 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 48 hours. - against fungi and yeast at 1 – 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 48 hours. Preventive treatment: - Against bacteria, green algae and cyanobacteria at 3 g C(M)IT/MIT (3:1) / m3 of water. - against biofilm (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.6.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

Air washers: For use only in industrial air-washer systems that maintain effective mist eliminating components.

4.6.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.

- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.7 Use description

Use 7 -
Preservation of recirculating fluids used in textile and fiber processing, leather processing, photo-processing and fountain solution systems

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage:
Field(s) of use	Indoor Preservation of recirculating fluids used in textile, fiber processing, leather processing, photo-processing and fountain solution systems C(M)IT/MIT (3:1) biocidal products are used for the preservation of textile and spinning fluids, photo processing solutions, leather process (e.g. washing and soaking treatment stages) and printing fountain solutions to control the integrity of recirculating fluid by reducing microbial contamination in the bulk solution.
Application method(s)	Method: - Detailed description: Manual and automated dosing. The preservation of all end-products is performed in most cases highly automated by industrial users The biocidal product is added to the central sump, basin or recirculating lines in an area with adequate mixing.
Application rate(s) and frequencies	Application Rate: Curative treatment: Against bacteria at 16-30 mg C(M)IT/MIT (3:1) per L of fluid Dilution (%): - Number and timing of application: Curative treatment: Against bacteria at 16-30 mg C(M)IT/MIT (3:1) per L of fluid Contact time 5 days
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L

- HDPE Drum: 110 L, 120 L, 200 L, 260 L
- HDPE IBC: 650 L, 800 L, 1000 L, 1250 L

All products should be transport and stored in a vented room.

4.7.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.7.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

- Liquids used in textile and fiber processing fluids must not enter surface water directly. Use product only in premises that are connected to a STP.

- Recirculating liquids in photoprocessing systems and fountain solution systems must not enter surface water directly. Use product only in premises that are connected to a STP.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.8 Use description

Use 8 -
Preservation of re-circulating liquids used in paint spray booths and electrodeposition coating systems

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Preservation of re-circulating liquids used in paint spray booths and electrodeposition coating systems. The biocidal product is used for preservation of fluids in pre- treatment processes (Cleaning treatment for grease removal and soil, degreasing Phosphating process, Rinse off tanks) paint spray booths and electrodeposition coating systems (e.g. cataphoretic baths) applied in Car Refinishing and Original equipment Car Manufacturing to control the integrity of recirculating fluid by reducing microbial contamination from bacteria and fungi in the bulk solution.
Application method(s)	Method: - Detailed description: -
Application rate(s) and frequencies	Application Rate: Preventive treatment: 7,5 to 30 mg C(M)IT/MIT (3:1) per Kg final product. Dilution (%): - Number and timing of application: Preventive treatment: 7,5 to 30 mg C(M)IT/MIT (3:1) per Kg final product. The biocidal product is added at the time of manufacture, storage or shipment.

Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.8.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.8.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);

• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.9 Use description

Use 9 -
Preservation of liquids used in closed recirculating heating systems and associated pipework

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria (anaerobes and aerobes (including Legionella pneumophila) Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage:
Field(s) of use	Indoor Outdoor Preservation of liquids used in closed recirculating heating systems and associated pipework. Pre-commission biocide flushing of new or existing pipework systems (heating and chilling pipework) includes used or new structural pipework built on industrial building projects. Closed recirculating heating systems: pre-commission biocidal product flushing of new or existing pipework systems (heating and chilling pipework) includes used or new structural pipework built on industrial building projects. The biocidal product is used to control the growth of aerobic and anaerobic bacteria, fungi and biofilm in the circulating water of closed systems. Closed systems are less susceptible to corrosion, scaling and biological fouling than open systems. However microbial problems can occur, if the system is left filled and untreated. This is due to the presence of nitrite and glycols used as nutrients by microbes.
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing.

	The biocidal product is dosed automatically in the heat transfer fluid, in a place of good mixing. The feeding pipe must dose the biocidal product below the water level in order to limit the evaporation of the biocidal product.
Application rate(s) and frequencies	Application Rate: Curative treatment - against bacteria at 5 g C(M)IT/MIT (3:1) / m3 of water (including L. pneumophila) - against biofilm at 14,9 g C(M)IT/MIT (3:1) / m3 of water - against fungi and yeast at 1 g C(M)IT/MIT / m3 of water Preventive treatment - against bacteria (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water - against biofilm at 3 g C(M)IT/MIT (3:1) / m3 of water. Dilution (%): - Number and timing of application: Curative treatment: - against bacteria at 5 g C(M)IT/MIT (3:1) / m3 of water (including L. pneumophila) Contact time: 24 hours - against biofilm at 14,9 g C(M)IT/MIT (3:1) / m3 of water Contact time: 24 hours - against fungi and yeast at 1 g C(M)IT/MIT / m3 of water Contact time: 48 hours Preventive treatment - against bacteria (including L. pneumophila) at 3 g C(M)IT/MIT (3:1) / m3 of water and against biofilm at 3 g C(M)IT/MIT (3:1) / m3 of water.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L

All products should be transport and stored in a vented room.

4.9.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.9.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.10 Use description

Use 10 -
Preservation of polymers used in oilfield processes (e.g. enhanced oil recovery, drilling muds, etc.)

Product type	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage:
Field(s) of use	Outdoor Preservation of polymers used in oilfield processes (e.g. enhanced oil recovery, drilling muds, etc.)
Application method(s)	Method: - Detailed description: -
Application rate(s) and frequencies	Application Rate: Preventive treatment of polymers used in the injection water: Xanthan polymer: 30 -50 g C(M)IT/MIT/m3 solution. HPAM polymer: 30 - 50 g C(M)IT/MIT/m3 solution. Preventive treatment of polymers used in the drilling muds: Xanthan polymer: 30 g C(M)IT/MIT/m3 solution. HPAM polymer: 30 g C(M)IT/MIT/m3 solution. Dilution (%): - Number and timing of application: Preventive treatment of polymers used in the injection water: Xanthan polymer: 30 -50 g C(M)IT/MIT/m3 solution. HPAM polymer: 30 - 50 g C(M)IT/MIT/m3 solution. Preventive treatment of polymers used in the drilling muds:

	Xanthan polymer: 30 g C(M)IT/MIT/m3 solution. HPAM polymer: 30 g C(M)IT/MIT/m3 solution.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.10.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.10.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:
• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.11 Use description

Use 11 -
Slimicide treatment in the de-inking process of the pulp and paper

Product type	PT12 - Slimicides (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage:
Field(s) of use	Indoor Slimicide treatment in the de-inking process of the pulp and paper. Recycling paper /deinking paper mills. Deinking process is a manufacturing paper process of removing printing inks from waste paper-fibers to produce deinked pulp.
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing. The biocidal product is automatically dosed by pump and fixed pipes into the circuit,

	usually in the pulper below the water level.
Application rate(s) and frequencies	Application Rate: Curative treatment: 10 to 14,9 g C(M)IT/MIT (3:1) / m3 of water to be treated. Preventive treatment: 5 g C(M)IT/MIT (3:1) / m3 of water to be treated. Dilution (%): - Number and timing of application: Curative treatment: 10 to 14,9 g C(M)IT/MIT (3:1) / m3 of water to be treated Contact time: 24 hours Preventive treatment: 5 g C(M)IT/MIT (3:1) / m3 of water to be treated.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.11.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.11.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.

- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.12 Use description

Use 12 -
Slimicide treatment in the wet-end stage of paper manufacturing process

Product type	PT12 - Slimicides (Preservatives)
Where relevant, an exact description of the authorised use	-
	Scientific name:

Target organism(s) (including development stage)	Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Fungi Development stage:
Field(s) of use	Indoor Slimicide treatment in the wet-end stage of the paper manufacturing process (paper mills, wet-end stage (water circuits), and paper mills process system).
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing.
Application rate(s) and frequencies	Application Rate: Curative treatment: 10 to 14,9 g C(M)IT/MIT (3:1) / m3 of water to be treated. Preventive treatment: 5 g C(M)IT/MIT (3:1) / m3 of water to be treated. Dilution (%): - Number and timing of application: Curative treatment: 10 to 14,9 g C(M)IT/MIT (3:1) / m3 of water to be treated Contact time: 24 hours Preventive treatment: 5 g C(M)IT/MIT (3:1) / m3 of water to be treated.
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.12.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.12.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

- The use of C(M)IT/MIT (3:1) containing products for the slimicide treatment in the wet-end stage of the paper manufacturing process is restricted to

(a) curative treatments in plants connected to a slimicide-free water from a pulp mill and only for the treatment of the short circulation of the paper mill; and

(b) preventive treatments,
and, for both cases, only if the factory's waste water is purified in an on-site (full) industrial sewage treatment plant with a minimal capacity of 5000 m^3 per day as described in the Industrial Emission Directive 2010/75/EU (Best Available Techniques for the production of pulp, paper and board) and if a dilution of at least 200 times in surface water is achieved after the industrial sewage treatment plant.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.13 Use description

Use 13 - Preventive treatment (biofouling control) online and after cleaning in place for industrial RO/NF membranes

Product type	PT12 - Slimicides (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage:
Field(s) of use	Indoor Preventive treatment (biofouling control) online and after cleaning in place for industrial RO/NF membranes
Application method(s)	Method: Closed system Detailed description: Manual and automated dosing. Biocidal product application on a routine basis will prevent biofilm growth on Reverse Osmosis or Nano Filtration membrane surfaces, feed spacer, filter media and pipework. The biocidal product should be dispensed to the feed water at a point to assure adequate mixing throughout the system.
Application rate(s) and frequencies	Application Rate: Preventive treatment: 5 g C(M)IT/MIT (3:1) per m3 of fluid Dilution (%): - Number and timing of application: Preventive treatment: 5 g C(M)IT/MIT (3:1) per m3 of fluid
Category(ies) of users	Industrial
Pack sizes and packaging material	For industrial and professional users: - HDPE flask: 5 L (nominal) - HDPE Pail / Jerrycan: 10 L, 20 L, 25 L, 30 L (nominal) - Box with HDPE liner: 20 L - HDPE Drum: 110 L, 120 L, 200 L, 260 L - HDPE IBC: 650 L, 800 L, 1000 L, 1250 L All products should be transport and stored in a vented room.

4.13.1 Use-specific instructions for use

Microbiological tests to prove adequacy of preservation have to be undertaken by the user of C(M)IT/MIT products in order to determine the effective dose of the preservative for the specific matrix/location/system. If needed, consult the manufacturer of the preservative product.

4.13.2 Use-specific risk mitigation measures

- Rinse the system (especially the dispensing pumps) with water prior to perform the cleaning step.
- During handling phases (mixing and loading) and cleaning of the dispensing pumps, exposure to the product (corrosive and skin sensitizer product) has to be limited by use of PPE and application of technical and organisational RMM:

• Minimisation of manual phases (process automation);
• Use of a dosing device;
• Regular cleaning of equipment and work area;
• Avoidance of contact with contaminated tools and objects;
• Good standard of general ventilation;
• Training and management of staff on good practice.
- PPE is as follows:
• protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information);
• protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information);
• Eye protection;
• Substance/task appropriate respirator if ventilation is inadequate.

- Use product only in premises that are connected to a STP.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5. General directions for use

5.1. Instructions for use

- The duration of the effect is dependent on the performance requirements of the customer for their preserved material and on the specific ingredients composition and pH of the preserved product.

- Always read the label or leaflet before use and follow all the instructions provided.

- Respect the conditions of use of the product (concentration, contact time, temperature, pH, etc.)

PRECAUTIONARY MEASURES DURING STORAGE AND TRANSPORT:

Keep in a well-ventilated place. The product as supplied may evolve gas (largely carbon dioxide) slowly. To prevent the buildup of pressure the product is packaged in specially vented containers, where necessary. Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents through the vent, where fitted.

5.2. Risk mitigation measures

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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 30 minutes. Call 112/ambulance for medical assistance.

- 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 (e.g. 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

Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place, in the original container.

Shelf-life: 12 months
Protect from sunlight.
Recommendation: If a metal packaging is used, a varnish layer should be applied.

6. Other information

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