

Summary of product characteristics for a biocidal product family

Family name: IPBC Biocidal Product Family PT13

Product type(s): PT13 - Working or cutting fluid preservatives (Preservatives)

Authorisation number: NR. RO/2019/0253/MRA/ DK-0016529-0000

R4BP 3 asset reference number: RO-0022180-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

IPBC Biocidal Product Family PT13

1.2. Product type(s)

PT13 - Working or cutting fluid preservatives (Preservatives)

1.3. Authorisation holder

Name and address of the authorisation holder

Name	TROY CHEMICAL COMPANY BV
Address	Poortweg 4C 2612PA Delft Netherlands

Authorisation number

NR. RO/2019/0253/MRA/ DK-0016529-0000

R4BP 3 asset reference number

RO-0022180-0000

Date of the authorisation

20/12/2018

Expiry date of the authorisation

20/12/2028

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer	Troy Chemical Company BV
Address of the manufacturer	Poortweg 4C 2612PA Delft Netherlands
Location of manufacturing sites	Westelijke Randweg 9 4791 RT Klundert Netherlands
	Industriepark 23 56593 Horhausen Germany
	Am Alten Galgen 14 56410 Montabaur Germany
	Geschwister-Scholl-Straße 127 39218 Schönebeck/Elbe Germany
	Mecklenburger Str. 229 23568 Lübeck Germany
	Halchtersche Str. 33 38304 Wolfenbüttel Germany
	Am Nordturm 5 46562 Voerde Germany

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

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Corporation
Address of the manufacturer	8 Vreeland Road 07932 Florham Park, New Jersey United States
Location of manufacturing sites	One avenue L 07105 Newark, New Jersey United States

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Chemical Company BV
Address of the manufacturer	Poortweg 4C 2612PA Delft Netherlands
Location of manufacturing sites	Industriepark 23 56593 Horhausen Germany

2. Product family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	9,9 - 100

2.2. Type(s) of formulation

AL - Any other liquid GR - Granule

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

IPBC 20

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT13 - Working or cutting fluid preservatives (Preservatives)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	20 - 20

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful if swallowed. Harmful if inhaled.
 Causes serious eye damage.
 Causes skin irritation.
 Causes damage to organs Larynx through prolonged or repeated exposure inhalation.
 Very toxic to aquatic life.
 Toxic to aquatic life with long lasting effects.
 Contains IPBC. May produce an allergic reaction.

Precautionary statements

Wear protective gloves.
 Wear face protection.
 Avoid release to the environment.
 Do not breathe vapours.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES:
 Immediately call a POISON CENTER.
 Dispose of contents to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - 1.0 Metal Working Fluid

Product type	PT13 - Working or cutting fluid preservatives (Preservatives)
Where relevant, an exact description of the authorised use	It is used for preservation of metal working fluids.
Target organism(s) (including development stage)	<p>Scientific name: <i>Alternaria alternata</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus niger</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus versicolor</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aureobasidium pullulans</i> spp. Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Ceratocystis pilifera</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium cladosporioides</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium herbarum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Penicillium</i> species Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Acremonium strictum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Fusarium solani</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Rhodotorula mucilaginosa</i> Common name: Yeasts Development stage: vegetative cells</p> <p>Scientific name: <i>Candida albicans</i> Common name: Yeasts Development stage: vegetative cells</p>
Field(s) of use	<p>Indoor</p> <p>Metal working fluid preservative for industrial and professional use. It is incorporated in the metal working fluid concentrate or added to the diluted metal working fluid in use.</p>
Application method(s)	<p>Method: Closed and open system Detailed description:</p>

	Formulation of Metal working fluid concentrate Addition to metal working fluid in use
Application rate(s) and frequencies	Application Rate: 0.165-2.5 % biocidal product in the MWF concentrate Dilution (%): 100 Number and timing of application: 1 application when manufacturing preserved MWF concentrate
Category(ies) of users	Industrial Professional
Pack sizes and packaging material	5-30 kg Pail, Plastic HDPE 200-230 kg Drum, Plastic HDPE 1000-1100 kg IBC, Plastic HDPE

4.1.1 Use-specific instructions for use

The use level varies when manufacturing metal working fluid concentrates depends on formulation and conditions of use. We recommend that the optimum biocide concentration and compatibility with individual formulations are determined by means of laboratory tests. The pH stability is between 3 and 10.5. As standard good practice it is advisable to check the compatibility in the final formulation.

4.1.2 Use-specific risk mitigation measures

See Directions for use

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 Directions for use

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

Dispose of content and container as hazardous waste in accordance with national regulation

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

24 months. Store between 5 and 25 °C. Protect from freezing

5. General directions for use of the meta SPC

5.1. Instructions for use

Read product label and directions for use before the product is used. Prevent direct contact with strongly acidic or alkaline chemicals.

5.2. Risk mitigation measures

Use appropriate personal protective equipment.
Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Wear appropriate respirator when ventilation is inadequate. Keep in the original container kept tightly closed when not in use.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before

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

First aid
GENERAL: In case of accident, suspected exposure or if you feel unwell, seek medical advice immediately seek medical advice immediately (show the label where possible).
IF SWALLOWED: Do NOT induce vomiting: seek medical advice/attention immediately.
IF ON SKIN: Wash skin immediately with plenty of water.
IF IN EYES: Rinse continuously with water (preferably using eye wash) for at least 10 min. Eyelids open. Remove any contact lenses if present and easy to do so - continue rinsing. Seek medical attention if symptoms persist.
IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
May be harmful to the environment if released in large quantities, collect spillage.

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

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

see authorized uses

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

see authorized uses

6. Other information

Pictogram to support the H-phrases: GHS05, GHS07, GHS08, GHS09

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Troyshield_F20

Market area: RO

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

RO-0022180-0001 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	20

1. Meta SPC administrative information

1.1. Meta SPC identifier

IPBC 100

1.2. Suffix to the authorisation number

1-2

1.3 Product type(s)

PT13 - Working or cutting fluid preservatives (Preservatives)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	100 - 100

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

GR - Granule

3. Hazard and precautionary statements of the meta SPC

Hazard statements	<p>Toxic if inhaled.</p> <p>Harmful if swallowed.</p> <p>Causes serious eye damage.</p> <p>May cause an allergic skin reaction.</p> <p>Causes damage to organs Larynx through prolonged or repeated exposure inhalation.</p> <p>Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Do no eat, drink or smoke when using this product.</p> <p>Wear face protection.</p> <p>Wear protective gloves.</p> <p>Do not breathe dust.</p> <p>Avoid release to the environment.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Immediately call a POISON CENTER.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>Collect spillage.</p> <p>Store locked up.</p> <p>Dispose of contents to in accordance with local/regional/national/international regulation.</p>

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - 1.0 Metal Working Fluid

Product type	PT13 - Working or cutting fluid preservatives (Preservatives)
Where relevant, an exact description of the authorised use	It is used for preservation of metal working fluids.
Target organism(s) (including development stage)	<p>Scientific name: Alternaria alternate</p> <p>Common name: Mould fungi</p> <p>Development stage: vegetative cells and spores</p>

Scientific name: *Aspergillus niger*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Aspergillus versicolor*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Aureobasidium pullulans* spp.
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Ceratocystis pilifera*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Cladosporium cladosporioides*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Cladosporium herbarum*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Penicillium* species
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Acremonium strictum*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Fusarium solani*
 Common name: Mould fungi
 Development stage: vegetative cells and spores

Scientific name: *Rhodotorula mucilaginosa*
 Common name: Yeasts
 Development stage: vegetative cells

Scientific name: *Candida albicans*
 Common name: Yeasts
 Development stage: vegetative cells

Field(s) of use

Indoor

Metal working fluid preservative for industrial and professional use.
 It is incorporated in the metal working fluid concentrate or added to the diluted metal working fluid in use.

Application method(s)

Method: Closed and open system
 Detailed description:

Formulation of Metal working fluid concentrate
 Addition to metal working fluid in use

Application rate(s) and frequencies

Application Rate: 0.033 - 5 % biocidal product in the MWF concentrate
 Dilution (%): 100
 Number and timing of application:
 1 application when manufacturing preserved MWF concentrate

Category(ies) of users	Industrial Professional
Pack sizes and packaging material	20-25 kg Carton board box with inner polyethylene plastic bag 25-50 kg Fiber drum with inner polyethylene plastic bag

4.1.1 Use-specific instructions for use

The use level varies when manufacturing metal working fluid concentrates depending on formulation and conditions of use. We recommend that the optimum biocide concentration and compatibility with individual formulations are determined by means of laboratory tests.

The pH stability is between 3 and 10.5. As standard good practice it is advisable to check the compatibility in the final formulation.

4.1.2 Use-specific risk mitigation measures

See Directions for use

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 Directions for use

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

Dispose of content and container as hazardous waste in accordance with national regulation

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

24 months. Store between 5 and 25 °C. Protect from freezing

5. General directions for use of the meta SPC

5.1. Instructions for use

Read product label and directions for use before the product is used. Prevent direct contact with strongly acidic or alkaline chemicals.

5.2. Risk mitigation measures

Use appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Wear appropriate respirator when ventilation is inadequate.
Keep in the original container kept tightly closed when not in use.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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

First aid
GENERAL: In case of accident, suspected exposure or if you feel unwell, seek medical advice immediately seek medical advice immediately (show the label where possible).
IF SWALLOWED: Do NOT induce vomiting; seek medical advice/attention immediately.
IF ON SKIN: Wash skin immediately with plenty of water.
IF IN EYES: Rinse continuously with water (preferably using eye wash) for at least 10 min. Eyelids open. Remove any contact lenses if present and easy to do so - continue rinsing. Seek medical attention if symptoms persist.
IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).. May be harmful to the environment if released in large quantities, collect spillage.

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

see authorized uses

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

see authorized uses

6. Other information

Pictogram to support the H-phrases: GHS05, GHS06, GHS07, GHS08, GHS09

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	Fungitrol_400G	Market area: RO
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small>	RO-0022180-0002 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	100

1. Meta SPC administrative information

1.1. Meta SPC identifier

IPBC 10

1.2. Suffix to the authorisation number

1-3

1.3 Product type(s)

PT13 - Working or cutting fluid preservatives (Preservatives)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	9,9 - 9,9

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes serious eye irritation.
Causes skin irritation.
May cause damage to organs Larynx through prolonged or repeated exposure inhalation.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.
Contains IPBC. May produce an allergic reaction.

Precautionary statements

Wear protective gloves.
Wear face protection.
Avoid release to the environment.
Do not breathe vapours.
Get medical attention if you feel unwell.
IF IN EYES:

Rinse cautiously with water for several minutes.

Dispose of contents to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - 1.0 Metal Working Fluid

Product type	PT13 - Working or cutting fluid preservatives (Preservatives)
Where relevant, an exact description of the authorised use	It is used for preservation of metal working fluids.
Target organism(s) (including development stage)	<p>Scientific name: <i>Alternaria alternate</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus niger</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus versicolor</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aureobasidium pullulans</i> spp. Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Ceratocystis pilifera</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium cladosporioides</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium herbarum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Penicillium</i> species Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Acremonium strictum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Fusarium solani</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Rhodotorula mucilaginosa</i> Common name: Yeasts Development stage: vegetative cells</p> <p>Scientific name: <i>Candida albicans</i> Common name: Yeasts Development stage: vegetative cells</p>

Field(s) of use	Indoor Metal working fluid preservative for industrial and professional use. It is incorporated in the metal working fluid concentrate or added to the diluted metal working fluid in use.
Application method(s)	Method: Closed and open systems Detailed description: Formulation of Metal working fluid concentrate Addition to metal working fluid in use
Application rate(s) and frequencies	Application Rate: 0.333 - 5 % biocidal product in the MWF concentrate Dilution (%): 100 Number and timing of application: 1 application when manufacturing preserved MWF concentrate
Category(ies) of users	Industrial Professional
Pack sizes and packaging material	5-30 kg Pail, Plastic HDPE 200-230 kg Drum, Plastic HDPE 1000-1100 kg IBC, Plastic HDPE

4.1.1 Use-specific instructions for use

The use level varies when manufacturing metal working fluid concentrates depending on formulation and conditions of use. We recommend that the optimum biocide concentration and compatibility with individual formulations are determined by means of laboratory tests. The pH stability is between 3 and 10.5. As standard good practice it is advisable to check the compatibility in the final formulation.

4.1.2 Use-specific risk mitigation measures

See Directions for use

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 Directions for use

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

Dispose of content and container as hazardous waste in accordance with national regulation

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

24 months. Store between 5 and 25 °C. Protect from freezing

5. General directions for use of the meta SPC

5.1. Instructions for use

Read product label and directions for use before the product is used. Prevent direct contact with strongly acidic or alkaline chemicals.

5.2. Risk mitigation measures

Use appropriate personal protective equipment.
Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Wear appropriate respirator when ventilation is inadequate.
Keep in the original container kept tightly closed when not in use.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency

measures to protect the environment

First aid

GENERAL: In case of accident, suspected exposure or if you feel unwell, seek medical advice immediately seek medical advice immediately (show the label where possible).

IF SWALLOWED: Do NOT induce vomiting; seek medical advice/attention immediately.

IF ON SKIN: Wash skin immediately with plenty of water.

IF IN EYES: Rinse continuously with water (preferably using eye wash) for at least 10 min. Eyelids open. Remove any contact lenses if present and easy to do so - continue rinsing. Seek medical attention if symptoms persist.

IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).. May be harmful to the environment if released in large quantities, collect spillage.

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

see authorized uses

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

see authorized uses

6. Other information

Pictogram to support the H-phrases: GHS07, GHS08, GHS09

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Troyshield_PA10

Market area: RO

Authorisation number

(R4BP 3 asset reference number - National
Authorisation)

RO-0022180-0003 1-3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	9,9

1. Meta SPC administrative information

1.1. Meta SPC identifier

IPBC 30

1.2. Suffix to the authorisation number

1-4

1.3 Product type(s)

PT13 - Working or cutting fluid preservatives (Preservatives)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	30 - 30

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Harmful if inhaled.
 Causes serious eye damage.
 Causes skin irritation.
 Causes damage to organs Larynx through prolonged or repeated exposure inhalation.
 Very toxic to aquatic life with long lasting effects.
 Contains IPBC. May produce an allergic reaction.

Precautionary statements

Wear protective gloves.
 Wear face protection.
 Avoid release to the environment.
 Do not breathe vapours.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES:
 Immediately call a poison center.
 Dispose of contents to in accordance with local/regional/national/international regulation.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - 1.0 Metal Working Fluid

Product type	PT13 - Working or cutting fluid preservatives (Preservatives)
Where relevant, an exact description of the authorised use	It is used for preservation of metal working fluids.
Target organism(s) (including development stage)	<p>Scientific name: <i>Alternaria alternata</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus niger</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aspergillus versicolor</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Aureobasidium pullulans</i> spp. Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Ceratocystis pilifera</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium cladosporioides</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Cladosporium herbarum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Penicillium</i> species Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Acremonium strictum</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Fusarium solani</i> Common name: Mould fungi Development stage: vegetative cells and spores</p> <p>Scientific name: <i>Rhodotorula mucilaginosa</i> Common name: Yeasts Development stage: vegetative cells</p> <p>Scientific name: <i>Candida albicans</i> Common name: Yeasts Development stage: vegetative cells</p>
Field(s) of use	<p>Indoor</p> <p>Metal working fluid preservative for industrial and professional use. It is incorporated in the metal working fluid concentrate or added to the diluted metal working fluid in use.</p>
Application method(s)	<p>Method: Closed and open systems Detailed description:</p>

	<p>Formulation of Metal working fluid concentrate Addition to metal working fluid in use</p>
<p>Application rate(s) and frequencies</p>	<p>Application Rate: 0.110 - 1.667 % biocidal product in the MWF concentrate Dilution (%): 100 Number and timing of application: 1 application when manufacturing preserved MWF concentrate</p>
<p>Category(ies) of users</p>	<p>Industrial Professional</p>
<p>Pack sizes and packaging material</p>	<p>5-30 kg Pail, Plastic HDPE 200-230 kg Drum, Plastic HDPE 1000-1100 kg IBC, Plastic HDPE</p>

4.1.1 Use-specific instructions for use

The use level varies when manufacturing metal working fluid concentrates depending on formulation and conditions of use. We recommend that the optimum biocide concentration and compatibility with individual formulations are determined by means of laboratory tests. The pH stability is between 3 and 10.5. As standard good practice it is advisable to check the compatibility in the final formulation.

4.1.2 Use-specific risk mitigation measures

See Directions for use

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 Directions for use

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

Dispose of content and container as hazardous waste in accordance with national regulation

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

24 months. Store between 5 and 25 °C. Protect from freezing

5. General directions for use of the meta SPC

5.1. Instructions for use

Read product label and directions for use before the product is used. Prevent direct contact with strongly acidic or alkaline chemicals.

5.2. Risk mitigation measures

Use appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Wear appropriate respirator when ventilation is inadequate.
Keep in the original container kept tightly closed when not in use.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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

First aid

GENERAL: In case of accident, suspected exposure or if you feel unwell, seek medical advice immediately seek medical advice immediately (show the label where possible).

IF SWALLOWED: Do NOT induce vomiting: seek medical advice/attention immediately.

IF ON SKIN: Wash skin immediately with plenty of water.
 IF IN EYES: Rinse continuously with water (preferably using eye wash) for at least 10 min. Eyelids open. Remove any contact lenses if present and easy to do so - continue rinsing. Seek medical attention if symptoms persist.
 IF INHALED: Remove to fresh air. Seek medical attention if symptoms persist.

Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
 May be harmful to the environment if released in large quantities, collect spillage.

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

see authorized uses

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

see authorized uses

6. Other information

Pictogram to support the H-phrases: GHS05, GHS07, GHS08, GHS09

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	Troyshield_FX40	Market area: RO
Authorisation number (R4BP 3 asset reference number - National Authorisation)	RO-0022180-0004 1-4	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	30
