Summary of product characteristics for a biocidal product family

Family name: Creosote BPF Koppers

Product type(s): PT08 - Wood preservatives (Preservatives)

Authorisation number: RO/2018/0216/MRA/5227

R4BP 3 asset reference number: RO-0021002-0000

Table Of Contents

Part I.- First information level

1. Administrative information

1.1. Family name

Creosote BPF Koppers

1.2. Product type(s)

PT08 - Wood preservatives (Preservatives)

1.3. Authorisation holder

Name and address of the authorisation holder	Name	Koppers International B.V.
	Address	Molenlaan 55 1422XN Uithoorn Netherlands
Authorisation number	RO/2018/0216/MRA/5227	

R4BP 3 asset reference number	RO-0021002-0000
Date of the authorisation	22/04/2016
Expiry date of the authorisation	29/03/2021

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer	Koppers Denmark ApS
Address of the manufacturer	Avernakke 5800 Nyborg Denmark
Location of manufacturing sites	Avernakke 5800 Nyborg Denmark

Name of the manufacturer	Koppers UK
Address of the manufacturer	Huntsman Drive TS2 1SD Port Clarence United Kingdom
Location of manufacturing sites	Huntsman Drive TS2 1SD Port Clarence United Kingdom

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

Active substance	19 - Creosote
Name of the manufacturer	Koppers Denmark ApS
Address of the manufacturer	Avernakke 5800 Nyborg Denmark
Location of manufacturing sites	Avernakke 5800 Nyborg Denmark

Active substance	19 - Creosote
Name of the manufacturer	Koppers UK
Address of the manufacturer	Huntsman Drive TS2 1SD Port Clarence United Kingdom
Location of manufacturing sites	Huntsman Drive TS2 1SD Port Clarence United Kingdom

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 (%)
Creosote	Creosote Grade B or Grade C creosote as specified in European Standard EN 13991:2003	Active Substance	8001-58-9	232-287-5	100 - 100

2.2. Type(s) of formulation

AL - Any other liquid

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

1. Meta SPC administrative information

1.1. Meta SPC identifier

meta SPC

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT08 - Wood 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 (%)
Creosote	Creosote Grade B or Grade C creosote as specified in European Standard EN 13991:2003	Active Substance	8001-58-9	232-287-5	100 - 100

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 skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer . May damage fertility or the unborn child See note 1 under Other information... Very toxic to aquatic life with long lasting effects.
Precautionary statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. IF exposed or concerned:Get medical advice. Store in a closed container. Dispose of contents to See note 2 under Other information...

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - UC 3 - pressure impregnation

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of wood to be used as: • railway sleepers • agricultural fencing • Equestrian fencing • Industrial and highways fencing • Cladding for non-residential buildings Use class (UC) 3 according to EN Standard 335.
Target organism(s) (including development stage)	Basidiomycetes (including Lentinus lepideus)-Wood rotting basidiomycetes-

Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system: pressure process - Batch-wise vacuum-pressure impregnation in a closed system. Temperature: 80-120°C. Water may be used only as coolant. Residual creosote after one treatment cycle is confined in a tank and re-used for the next cycle.
Application rate(s) and frequencies	Softwood: 70 - 185 kg/m3 (penetration class; see below). Hardwood: 160 - 185 kg/m3 (penetration class; see below). - 0 - One cycle per batch. Penetration class (European Standard EN 351): Softwood: Penetration class depends on durability requirement. Normally NP 5 should be applied Hardwood: NP 3 - 5. Penetration class depends on durability requirement.
Category(ies) of users	Industrial Trained professional Professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter The package must contain at least 20 litres.

4.1.1 Use-specific instructions for use

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4.1.2 Use-specific risk mitigation measures

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

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

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

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4.2 Use description

Use 2 - UC 4 - pressure impregnation

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of wood to be used as: • Wood poles for overhead electricity and telecommunication • Agricultural fencing • Tree stakes (a.o. fruit, vineyard) • Hop poles –(hops for beer brewing) • Equestrian fencing Use class (UC) 4 according to EN Standard 335.
Target organism(s) (including development stage)	Basidiomycetes (including Lentinus lepideus)-Wood rotting basidiomycetes- --Soft rot fungi-
Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system: pressure process - Batch-wise vacuum-pressure impregnation in a closed system. Temperature: 80-120°C. Water may be used only as coolant. Residual creosote after one treatment cycle is confined in a tank and re-used for the next cycle.
Application rate(s) and frequencies	Softwood: 100 - 195 kg/m3 (penetration class; see below). Hardwood: 160 - 210 kg/m3 (penetration class; see below). - 0 - One cycle per batch. Penetration class (European Standard EN 351):

	Softwood: NP 4 - 5 Hardwood: NP 3 - 5 Penetration class: depends on durability requirement.
Category(ies) of users	Industrial Trained professional Professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter The package must contain at least 20 litres.

4.2.1 Use-specific instructions for use

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4.2.2 Use-specific risk mitigation measures

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

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

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

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4.3 Use description

Use 3 - UC 5 - pressure impregnation

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of wood to be used for marine installations. Use class (UC) 5 according to EN standard 335.
Target organism(s) (including development stage)	--Wood destroying marine organisms-
Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system: pressure process - Batch-wise vacuum-pressure impregnation in a closed system. Temperature: 80-120°C. Water may be used only as coolant. Residual creosote after one treatment cycle is confined in a tank and re-used for the next cycle.
Application rate(s) and frequencies	Softwood: 240 - 400 kg/m3 (penetration class: NP5). Hardwood: 240 - 290 kg/m3 (penetration class: NP5). - 0 - One cycle per batch.
Category(ies) of users	Industrial Trained professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter The package must contain at least 20 litres.

4.3.1 Use-specific instructions for use

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4.3.2 Use-specific risk mitigation measures

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

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

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

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4.4 Use description

Use 4 - Surface treatment (UC 3 and UC 4)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	--Wood rotting fungi-
Field(s) of use	Indoor Outdoor Treatment of creosote impregnated wood (UC 3 and UC 4) after modifications such as sawing, cutting, shaping and machining.

	Preventive treatment.
Application method(s)	Open system: brush treatment - -
Application rate(s) and frequencies	1 litre/5 m2 - 0 - Single application.
Category(ies) of users	Industrial Trained professional Professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter Can /Tin, Steel/Tin , > 20 liter The package must contain at least 20 litres.

4.4.1 Use-specific instructions for use

It is best practice to treat wood in its final form after all cutting, shaping and machining has been carried out so that the protective envelope of preservative is not broken. If modifications of wood components after treatment are necessary a preservative that is compliant with the original treatment should be applied to protect any surfaces exposed by such works.
See also General directions for use.

4.4.2 Use-specific risk mitigation measures

Application performed outdoors should take place on a temporary bounded impervious surface (for example using a plastic membrane or a pre-formed plastic tray).
See also General directions for use.

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 - UC 3 - Whole wood - Pressure impregnation

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of whole wood to be used for following wood applications: • railway sleepers • agricultural fencing • Equestrian fencing • Industrial and highways fencing • Cladding for non-residential buildings Protection of wood corresponding to UC 3.
Target organism(s) (including development stage)	Basidiomycetes (including Lentinus lepideus)-Wood rotting basidiomycetes-
Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system: pressure process - Batch-wise vacuum-pressure impregnation in a closed system. Temperature: 80-120°C. Water may be used only as coolant. Residual creosote after one treatment cycle is confined in a tank and re-used for the next cycle.
Application rate(s) and frequencies	Softwood: 50 - 120 kg/m3, Hardwood: 20 - 180 kg/m3 - 0 - One cycle per batch.
Category(ies) of users	Industrial Trained professional Professional

Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter The package must contain at least 20 litres.

4.5.1 Use-specific instructions for use

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4.5.2 Use-specific risk mitigation measures

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

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

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

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4.6 Use description

Use 6 - UC 4 - Whole wood - Pressure impregnation

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of whole wood to be used for following wood applications: • Wood poles for overhead electricity and telecommunication • Agricultural fencing • Tree stakes (a.o. fruit, vineyard) • Hop poles –(hops for beer brewing) • Equestrian fencing Protection of wood corresponding to UC 4.
Target organism(s) (including development stage)	Basidiomycetes (including Lentinus lepideus)-Wood rotting basidiomycetes- --Soft rot fungi-
Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system - Batch-wise vacuum-pressure impregnation in a closed system. Temperature: 80-120°C. Water may be used only as coolant. Residual creosote after one treatment cycle is confined in a tank and re-used for the next cycle.
Application rate(s) and frequencies	Softwood: 76 -137 kg/m3, Hardwood: 39 -139 kg/m3 - 0 - One cycle per batch.
Category(ies) of users	Industrial Trained professional Professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter IBC (intermediate bulk container), Steel , up to 1000 liter Drum, Steel , up to 250 liter

4.6.1 Use-specific instructions for use

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4.6.2 Use-specific risk mitigation measures

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

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

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

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4.7 Use description

Use 7 - UC 4 - Whole wood - Hot and cold impregnation.

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive treatment of whole wood to be used for following wood applications: Wood poles for overhead electricity and telecommunication Agricultural fencing Tree stakes (a.o. fruit, vineyard) Hop poles –(hops for beer brewing) Equestrian fencing Protection of wood corresponding to UC 4 .
Target organism(s) (including development stage)	Basidiomycetes (including Lentinus lepideus)-Wood rotting basidiomycetes- --Soft rot fungi-

Field(s) of use	Indoor For impregnation in industrial plants.
Application method(s)	Closed system - Hot-and-Cold non pressure impregnation (syn.= Hot-and-Cold-Open-Tank-Method, Hot-and-Cold-Bath-Method. Process description: Batch-wise - water-free This treating process is only permitted for the treatment of timber made of coniferous timber. Wood moisture content must be between 20 and max. 30%. Impregnated section of the pole must always be slightly above ground level when in service. The posts are placed into the treatment tank filled with impregnating oil (creosote). Section of the stake that needs to be impregnated (70 to 90 cm of the stake bottom) depends on the intended use The impregnating oil is then heated to 110 °C ± 5 °C and maintained at this temperature for 120 minutes to allow the air to escape out of the wood. Then the heating stops and the wood is allowed to cool to a temperature of 40 °C to 50 °C (temperature difference depending of the site-specific conditions and the required level of preservative retention). Once this temperature is attained (duration ca. 12 to 16 hours), the posts are lifted out of the impregnating fluid by a lifting cage. The lifting cage is held over the treatment tank in the area of the exhaust gas extraction system for a minimum period of 60 minutes (dripping and condensing phase) before the system is opened.
Application rate(s) and frequencies	Whole wood: Retention requirement minimum 90 kg/m3 related to the whole timber of the impregnated part of the stake. Penetration class: NP 2 (Standard EN 351) - 0 - One cycle per batch.
Category(ies) of users	Industrial Trained professional Professional
Pack sizes and packaging material	Rail Wagon, Steel , up to 60 ton Rail Container, Steel , up to 30 ton Ship, Steel , up to 700 ton Truck, Steel , up to 30 ton IBC (intermediate bulk container), Plastic: composite: , up to 1000 litre IBC (intermediate bulk container), Steel , up to 1000 litre Drum, Steel , up to 250 litre The package must contain at least 20 litre.

4.7.1 Use-specific instructions for use

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4.7.2 Use-specific risk mitigation measures

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

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

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

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5. General directions for use of the meta SPC

5.1. Instructions for use

Creosote BPF Koppers
For professional use only.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.

5.2. Risk mitigation measures

Creosote BPF Koppers

When handling the product
Any handling of the product should be done in well ventilated spaces.Inhalation of vapours and contact with skin and eyes should be avoided.Exposure limit values shall not be exceeded. Follow the manufacturer's instructions for cleaning and maintenance of protective equipment. If washing instructions are missing, use detergent and hot water. Keep and wash personnel protective equipment separately from other laundry. Clothing and other absorbent materials that have been significantly contaminated should be disposed of and not re-used. Take off protective equipment directly upon completion of the handling of the product. Wash the outside of the gloves before they are taken of. Personnel must leave all protective equipment and any other materials contaminated by the product at the treatment facility.
Respiratory Protection: Use a respiratory mask with filter protective against organic vapour if the ventilation is insufficient.
Eye Protection: Wear tightly sealed safety glasses. Use face shield if there is a risk of splash.
Skin and body protection: Wear protective work clothing.

Hand Protection: Wear chemical resistant gloves. Replace gloves as soon as signs of degradation appear.
Hygiene measures: Contaminated clothes should be placed in closed containers prior to disposal. Inform the laundry or cleaning staff about the product's hazardous properties. Wash the skin after each shift, before meals,smoking and using the toilet. Do not eat, drink, or smoke during handling.
The authorisation holder must specify appropriate personal protective equipment, type and materials, in the safety data sheet.
Additional measures for superficial application outdoors
1. Hand and face wash possibilities in the field.
2. Application should take place on a temporary bounded impervious surface (for example usinga plastic membrane or a pre-formed plastic tray).
3. Any losses or contaminated material must be collected for disposal.
When handling the treated wood
To prevent direct losses to soil or water; freshly treated timber must be stored after treatment under shelter and/or: on impermeable hard standing,alternatively; on an absorbent material such as bark. Any losses or contaminated material must be collected for reuse or disposal.
1. Strict adherence to established working instructions.
2. Increased use of aerial access platforms if possible.
3. Hand and face wash possibilities in the field.
4. Use of light chemical resistant coveralls and chemical resistant gloves.
5. Use of dry poles and sleepers. Return wet poles and sleepers to the impregnation plants.
6. At construction sites; store treated wood before installation in a way that leaching to soil and water is prevented, for example on an adsorbent material such as bark. Any losses or contaminated material must be collected for reuse or disposal.
7. Dispose treated wood waste, including off cuts, as hazardous waste according to legal requirements.

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

Creosote BPF Koppers
Most important symptoms and effects,both acute and delayed: Contact may cause skin burn, irritation and dry skin.
General information:
First aid: May be needed after occupational exposure, inhalation oringestion. In case of doubt, call a POISON CENTER.
Personal protection for the First Aider: Instantly remove any clothing soiled by the product.
After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Clean affected area with soap and plenty of water. Seek medical treatment if symptoms persist or appear.
After eye contact: Rinse opened eye for several minutes under running water.Then consult doctor.
After swallowing: Rinse out mouth and then drink plenty of water. Seek medical treatment.
Environmental precautions: Inform respective authorities in case product reaches water or sewage system.
Methods and material for containment and cleaning up: Absorb with liquid-binding material(sand, diatomite, acid binders, universal binders, saw dust).
Dispose of contaminated materialsaccording to waste disposal regulations

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

Creosote BPF Koppers
Dispose of contents and container to an approved waste facility.

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

Creosote BPF Koppers
Store in tightly closed original packaging in a dry and well-ventilated place. Protect against physical damage and/or wear. Must not be stored near heat sources or exposed to high temperatures. Be kept separate from oxidizing agents and sources of ignition.Protect against electrostatic discharge.
Used within 10 years from the date of manufacture.

6. Other information

WEI B, RO
WEI C, RO
Tn Oil, RO
Creosote BPF Koppers

Information about hazard statements and precautionary statements, section 3 in SPC.
Note 1: It is not possible to choosethe correct phrase for H360(Fd). The correct phrase for H360(Fd) should be:"May damage fertility. Suspected of damaging the unborn child".
Note 2: It is not possible to choose the correct phrase for P501. The correct phrase for P501 should be: "Dispose of contents and

container to an approved waste facility.

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)	WEI B
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	RO-0021002-0001 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Creosote	Creosote Grade B or Grade C creosote as specified in European Standard EN 13991:2003	Active Substance	8001-58-9	232-287-5	100

Trade name(s)	WEI C Tn Oil
Authorisation number **(R4BP 3 asset reference number - National Authorisation)**	RO-0021002-0002 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Creosote	Creosote Grade B or Grade C creosote as specified in European Standard EN 13991:2003	Active Substance	8001-58-9	232-287-5	100