Summary of product characteristics for a biocidal product family

Family name: BCL CTAF 17

Product type(s): PT21 - Antifouling products (Other biocidal products)

Authorisation number: ТП21-0336-ОП

R4BP 3 asset reference number: GR-0019714-0000

Table Of Contents

Part I.- First information level

1. Administrative information

1.1. Family name

BCL CTAF 17

1.2. Product type(s)

PT21 - Antifouling products (Other biocidal products)

1.3. Authorisation holder

Name and address of the authorisation holder	Name	Bardyke Chemicals International Limited
	Address	6th Floor, South Bank House Barrow Street D04 TR29 Dublin Ireland
Authorisation number	ТП21-0336-ОП	
R4BP 3 asset reference number	GR-0019714-0000	
Date of the authorisation	02/11/2020	
Expiry date of the authorisation	02/11/2030	

1.4. Manufacturer(s) of the biocidal products

Name of the manufacturer	Bardyke Chemicals Limited
Address of the manufacturer	Hamilton Road G72 7XJ Cambuslang United Kingdom
Location of manufacturing sites	Bardyke Chemicals Limited G72 7XJ Cambuslang United Kingdom

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

Active substance	1277 - Copper thiocyanate
Name of the manufacturer	Bardyke Chemicals Limited
Address of the manufacturer	Hamilton Road G72 7XJ Cambuslang United Kingdom
Location of manufacturing sites	Bardyke Chemicals Limited G72 7XJ Cambuslang 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 (%)
Copper thiocyanate		Active Substance	1111-67-7	214-183-1	27,13 - 27,13
Zinc oxide	oxozinc	Non-active substance	1314-13-2	215-222-5	8,3 - 8,3
Hydrocarbons, C9, aromatics	Hydrocarbons, C9, aromatics	Non-active substance	64742-95-6	918-668-5	23,16 - 23,16
Rosin	Rosin	Non-active substance	8050-09-7	232-475-7	8,76 - 8,76
Polymer based on vinyl compounds	Polymer based on vinyl compounds	Non-active substance	25154-85-2		4,36 - 4,36
Soybean oil, polymer with isophthalic acid and pentaerythritol	Soybean oil, polymer with isophthalic acid and pentaerythritol	Non-active substance	66071-86-1	613-890-6	1,51 - 1,51
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Naphtha (petroleum), hydrotreated heavy	Non-active substance	64742-48-9	919-857-5	0,38 - 0,38
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Non-active substance	68953-58-2	273-219-4	1,09 - 1,09
Resin acids and Rosin acids, hydrogenated, Me esters	Resin acids and Rosin acids, hydrogenated, Me esters	Non-active substance	8050-15-5	232-476-2	5,02 - 5,02
Mica potassium aluminum silicate	Mica potassium aluminum silicate	Non-active substance	12001-26-2	601-648-2	7,7 - 7,7
Titanium dioxide	Titanium(IV) oxide	Non-active substance	13463-67-7	236-675-5	12,59 - 12,59

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)

PT21 - Antifouling products (Other biocidal products)

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 (%)
Copper thiocyanate		Active Substance	1111-67-7	214-183-1	27,13 - 27,13
Zinc oxide	oxozinc	Non-active substance	1314-13-2	215-222-5	8,3 - 8,3
Hydrocarbons, C9, aromatics	Hydrocarbons, C9, aromatics	Non-active substance	64742-95-6	918-668-5	23,16 - 23,16
Rosin	Rosin	Non-active substance	8050-09-7	232-475-7	8,76 - 8,76
Polymer based on vinyl compounds	Polymer based on vinyl compounds	Non-active substance	25154-85-2		4,36 - 4,36
Soybean oil, polymer with isophthalic acid and pentaerythritol	Soybean oil, polymer with isophthalic acid and pentaerythritol	Non-active substance	66071-86-1	613-890-6	1,51 - 1,51
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Naphtha (petroleum), hydrotreated heavy	Non-active substance	64742-48-9	919-857-5	0,38 - 0,38
Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	Non-active substance	68953-58-2	273-219-4	1,09 - 1,09

Resin acids and Rosin acids, hydrogenated, Me esters	Resin acids and Rosin acids, hydrogenated, Me esters	Non-active substance	8050-15-5	232-476-2	5,02 - 5,02
Mica potassium aluminum silicate	Mica potassium aluminum silicate	Non-active substance	12001-26-2	601-648-2	7,7 - 7,7
Titanium dioxide	Titanium(IV) oxide	Non-active substance	13463-67-7	236-675-5	12,59 - 12,59

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	Flammable liquid and vapour. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Precautionary statements	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking. Keep container tightly closed. Avoid breathing vapours. Avoid breathing spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves. Wear protective clothing. Wear eye protection. Wear face protection. IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with water. IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with shower. IF INHALED:Remove person to fresh air and keep comfortable for breathing. Call a doctor/poison centre if you feel unwell.

If skin irritation or rash occurs:Get medical advice. If skin irritation or rash occurs:Get medical attention. Take off contaminated clothing.And wash it before reuse. In case of fire:Use foam, dry powder, carbon dioxide, water spray, sand to extinguish. Collect spillage. Store in a well-ventilated place.Keep cool. Dispose of contents to a registered establishment or undertaking, in accordance with current regulations. Dispose of container to a registered establishment or undertaking, in accordance with current regulations.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Antifouling paint

Product type	PT21 - Antifouling products (Other biocidal products)
Where relevant, an exact description of the authorised use	Antifouling paint for the protection of both mobile (including but not limited to marine ferries, cruise liners, liners, super-yachts, pleasure craft) and stationary objects (buoys, immersed rafts) against fouling organisms. The product is not intended for use in aquaculture.
Target organism(s) (including development stage)	Scientific name: Marine fouling species Common name: Marine fouling species Development stage: Settling life stages
Field(s) of use	Outdoor Outdoor for marine use only
Application method(s)	Brush, roller or spray (professional only) Detailed description: Apply the undiluted product directly to the surface to be protected using a brush, roller or coarse spray.
Application rate(s) and frequencies	Application Rate: 1 L/10 m2 Dilution (%): Number and timing of application: Annual (12 monthly) application

Category(ies) of users	Professional General public (non-professional)
Pack sizes and packaging material	Professionals and non-professionals: 2.5 L tinplate (with plastic ring closure*) can. Professionals only: 20 L tinplate (with plastic ring closure*) can. *The plastic ring is not in contact with the product

4.1.1 Use-specific instructions for use

SURFACE PREPARATION
The surface must be dry and free from fouling, salts and other contaminants.
Remove salts and dirt by fresh water washing and hard fouling by scraping. Corroded and/or damaged areas must be repaired first with an appropriate primer system.

RECOMMENDED PAINT SYSTEM
For best results apply a minimum of two coats with a third at the waterline.
Life time expectations are difficult to give, as it is dependent on many factors beyond our control such as vessel's speed and sailing pattern, seawater quality and temperature. Therefore the above stated antifouling specification should be used for guidance only.

APPLICATION CONDITIONS
Stir well before use to ensure homogeneity prior to application. The temperature of the substrate should be at least 3°C above the dew point of the air.
Temperature and relative humidity should be measured in the vicinity of the substrate.
The maximum recommended surface temperature is approx. 40°C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required.
In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.
When applying the paint in confined spaces, provide adequate ventilation during application and drying.
The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

APPLICATION DATA
“Airless” Spray Pressure at nozzle: 120 – 180 bar. Nozzle size: 0.41 – 0.58 mm.
Spray angle: 40 - 80 degrees.
Volume of thinner: 0 - 3%.
Airspray Pressure at nozzle: 3 – 5 bar. Nozzle size: 1.5 – 2.0 mm.
Volume of thinner: 0 - 10%.
Brush/Roller Suitable. Multicoats may be needed to achieve the specified dry film thickness.
Volume of thinner: 0 - 5%.
Thinner/Cleaner: an appropriate, solvent compatable thinner

DRYING AND RECOATING TIMES

Substrate Temperature	Touch dry	Hard dry	Dry to recoat Mínimum	Dry to recoat Maximum (*)	Minimum drying time for undocking (**)
15°C	43 minutes	6 hours	10 hours	5 days	24 hours

25°C	26 minutes	3 hours	6 hours	5 days	24 hours
35°C	18 minutes	2 hours	4 hours	3 days	24 hours

(*) The surface should be dry and free from contaminants prior to overcoating.
(**) It is advised to undock the vessel within 48 hours after application of the final layer as prolonged exposure to sunshine might affect the antifouling performance.

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Application, maintenance and repair activities shall be conducted within a contained area to prevent losses and minimise emissions to the environment. This means that activities must take place on impermeable hard standing with bunding or on soil covered with an impermeable material. Any losses or waste containing antifouling biocides shall be collected for reuse or disposal.
If applying by spray (professional use only), to minimise exposure to dry overspray dust (dryspray), limit personnel present to all but essential operators; sprayers and their assistants or cherry picker drivers. • Use protective sheeting or screens in the drydock to prevent/minimise dryspray
• Do not allow people to be exposed to dryspray
• Use personal protective equipment when removing dryspray
• Wet dryspray with water, collect and remove it

4.1.2 Use-specific risk mitigation measures

Professionals must use the following PPE/RPE:• Sprayer: protective gloves, coated coverall and mask APF10 during spraying and protective gloves and coated coverall during cleaning,• Brusher: coated coverall and protective gloves during mixing and loading of paint into trail and during application and protective gloves during cleaning of the brush,• Sand blaster: protective waterproof coverall, an airstream helmet with rubber flaps that covers a large part of the upper body, strong protective gloves and mask APF 10,• Grit filler: protective gloves, coated coverall and mask APF10.• Potman: protective gloves, coated coverall and mask APF10 during mixing and loading of paint in pump, and protective gloves and coated coverall during cleaning.
Non-professionals:
Producers shall ensure that the products are supplied with appropriate gloves. In case of removal of antifouling paint by dry sanding non-professionals should wear mask APF10.
Wash hands and exposed skin after use. Wash face and hands before eating, drinking or smoking. Wash hands before breaks and after work. Ensure adequate ventilation to remove vapours, fumes, dust etc. No open flames, no sparks and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment, avoid direct contact.
Hygiene Measures: Wash thoroughly with soap and water after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Application, maintenance and repair activities shall be conducted within a contained area to prevent losses and minimise emissions to the environment. This means that activities must take place on impermeable hard standing with bunding or on soil covered with an impermeable material. Any losses or waste containing antifouling biocides shall be collected for reuse or disposal.
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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

Refer to general directions for use.

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

Refer to 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

Refer to general directions for use.

5. General directions for use of the meta SPC

5.1. Instructions for use

See use specific instructions

5.2. Risk mitigation measures

See use specific risk mitigation measures

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

Particulars of likely direct or indirect effects
Product may cause an allergic skin reaction. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
First aid instructions
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.Wash contaminated clothing before reuse. Repeated exposure may cause skin dryness or cracking.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.
Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain immediate medical attention.
Emergency measures to protect the environment
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Dispose of contents in accordance with local, state or national legislation.

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

Handle empty containers with care because residual vapours are flammable.
Dispose surplus or waste materials in accordance with local or national regulatory guidelines. Local or national competent authority or regulations may have specific classifications or guidelines.

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

Keep container tightly closed in cool and dry, well-ventilated place. Keep away from sources of ignition. Take precautionary measures against static discharge.

Storage Life: Stable under normal conditions. The product is stable for 24 months in the original container

Incompatible materials: May react violently with: Acids, bases

6. Other information

Product family has been restructured. BCL CTAF W17 is the only product retained in the family at this time.

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)	BCL CTAF W17	Market area: GR
Authorisation number		

(R4BP 3 asset reference number - National Authorisation)	GR-0019714-0001 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
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