

**EN**

***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

Creosote EN 13991 Grade C GX-plus-IE-en

**Product type(s)**

PT08: Wood preservatives

**Authorisation number:** IE/BPA 70413 1-1

**R4BP asset number:** IE-0023949-0003

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	Creosote EN 13991 Grade C GX-plus
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Rain Carbon Germany GmbH
	Address	Kekulestr. 30 44579 Castrop-Rauxel Germany
Authorisation number	IE/BPA 70413 1-1	
<i>R4BP asset number</i>	IE-0023949-0003	
Date of the authorisation	07/11/2016	
Expiry date of the authorisation	31/12/2024	

### 1.3. Manufacturer(s) of the product

Name of manufacturer	Rain Carbon Germany GmbH
Address of manufacturer	Kekuléstr. 30 44579 Castrop-Rauxel Germany
Location of manufacturing sites	Kekuléstr. 30 44579 Castrop-Rauxel Germany

Name of manufacturer	Rain Carbon bvba
Address of manufacturer	Vredekaai 18 9060 Zelzate Belgium
Location of manufacturing sites	Vredekaai 18 9060 Zelzate Belgium

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

Active substance	Creosote
Name of manufacturer	Rain Carbon Germany GmbH
Address of manufacturer	Kekuléstr. 30 44579 Castrop-Rauxel Germany
Location of manufacturing sites	Kekuléstr. 30 44579 Castrop-Rauxel Germany

Active substance	Creosote
Name of manufacturer	Rain Carbon bvba
Address of manufacturer	Vredekaai 18 9060 Zelzate Belgium
Location of manufacturing sites	Vredekaai 18 9060 Zelzate Belgium

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

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	90

### 2.2. Type(s) of formulation

AL Any other liquid

### 3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	<p>H315: Causes skin irritation.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H319: Causes serious eye irritation.</p> <p>H350: May cause cancer &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</p> <p>H360: May damage fertility or the unborn child see point 2 under other information.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P262: Do not get in eyes, on skin, or on clothing.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P308+P313: IF exposed or concerned: Get medical advice.</p> <p>P404: Store in a closed container.</p> <p>P501: Dispose of contents to see point 2 under other information.</p> <p>P273: Avoid release to the environment.</p> <p>P391: Collect spillage.</p>

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. UC 3 - pressure impregnation**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Preventive treatment of wood to be used as: railway sleepers Use class (UC) 3 according to EN Standard 335.
Target organism(s) (including development stage)	Scientific name: Basidiomycetes (inklusive Lentinus lepideus) Common name: Wood rotting basidiomycetes Development stage: Other: -
Field(s) of use	indoor use  For impregnation in industrial plants.
Application method(s)	Method: closed system: pressure process  Detailed description: 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 frequency	Application Rate: once, Softwood: 70 - 185 kg/m <sup>3</sup> (penetration class; see below). Hardwood: 160 - 185 kg/m <sup>3</sup> (penetration class; see below).  Dilution (%): 0  Number and timing of application: 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 tonnes Rail container, steel , up to 30 tonnes Ship, Steel , up to 700 tonnes Truck, steel , up to 30 tonnes 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**

**Table 2. UC 4 - pressure impregnation**

Product type	PT08: Wood 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 Use class (UC) 4 according to EN Standard 335.
Target organism(s) (including development stage)	Scientific name: Basidiomycetes (inklusive Lentinus lepideus) Common name: Wood rotting basidiomycetes Development stage: Other: -  Scientific name: -- Common name: Soft rot fungi Development stage: -
Field(s) of use	indoor use  For impregnation in industrial plants.
Application method(s)	Method: closed system: pressure process  Detailed description: 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 frequency	Application Rate: Softwood: 100 - 195 kg/m <sup>3</sup> (penetration class; see below). Hardwood: 160 - 210 kg/m <sup>3</sup> (penetration class; see below).  Dilution (%): 0  Number and timing of application: 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 tonnes Rail container, steel , up to 30 tonnes Ship, Steel , up to 700 tonnes Truck, steel , up to 30 tonnes 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. -
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**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**

**Table 3. UC 3 - Whole wood - Pressure impregnation**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Preventive treatment of whole wood to be used for following wood applications: railway sleepers Protection of wood corresponding to UC 3.
Target organism(s) (including development stage)	Scientific name: Basidiomycetes (inklusive Lentinus lepideus) Common name: Wood rotting basidiomycetes Development stage: Other: -
Field(s) of use	indoor use  For impregnation in industrial plants.
Application method(s)	Method: closed system: pressure process  Detailed description: 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 frequency	Application Rate: Softwood: 50 - 120 kg/m <sup>3</sup> , Hardwood: 20 - 180 kg/m <sup>3</sup>  Dilution (%): 0  Number and timing of application: One cycle per batch.
Category(ies) of users	industrial ; trained professional ; professional
Pack sizes and packaging material	Rail wagon, steel , up to 60 tonnes



	<p>Rail container, steel , up to 30 tonnes</p> <p>Ship, steel , up to 700 tonnes</p> <p>Truck, steel , up to 30 tonnes</p> <p>IBC (intermediate bulk container), Plastic: composite: , up to 1000 liter</p> <p>IBC (intermediate bulk container), Steel , up to 1000 liter</p> <p>Drum, steel , up to 250 Liter</p> <p>The package must contain at least 20 litres</p> <p>-</p>
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**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**

**Table 4. UC 4 - Whole wood - Pressure impregnation**

Product type	PT08: Wood 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 Protection of wood corresponding to UC 4.
Target organism(s) (including development stage)	Scientific name: Basidiomycetes (inklusive Lentinus lepideus) Common name: Wood rotting basidiomycetes Development stage: Other: -  Scientific name: -- Common name: Soft rot fungi Development stage: -
Field(s) of use	indoor use  For impregnation in industrial plants.
Application method(s)	Method: closed system: pressure process  Detailed description: 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 frequency	Application Rate: Softwood: 76 -137 kg/m <sup>3</sup> , Hardwood: 39 -139 kg/m <sup>3</sup>

	Dilution (%): 0 Number and timing of application: One cycle per batch.
Category(ies) of users	industrial ; trained professional ; professional
Pack sizes and packaging material	Rail wagon, steel , up to 60 tonnes Rail container, steel , up to 30 tonnes Ship, Steel , up to 700 tonnes Truck, steel , up to 30 tonnes 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. -

**4.4.1. Use-specific instructions for use**

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**4.4.2. Use-specific risk mitigation measures**

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

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

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

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

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

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 off. 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 using a plastic membrane or 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 offcuts, 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

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 or ingestion. 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.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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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 materials according to waste disposal regulations

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

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**

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.

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## **6. OTHER INFORMATION**

Information about hazard statements and precautionary statements, section 3 in SPC.

Note 1: It is not possible to choose the 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."

Please note that this SPC is not part of the Swedish decision.