

Summary of product characteristics for a biocidal product

Product name: HK-Stain

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

PT08 - Wood preservatives (Preservatives)

Authorisation number: UK-2019-1208

R4BP 3 asset reference number: UK-0019792-0008

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Administrative information

1.1. Trade names of the product

HK-Stain

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Remmers GmbH
	Address	Bernhard-Remmers-Str. 13 D - 49624 Lönigen Germany
Authorisation number	UK-2019-1208 1-2	

R4BP 3 asset reference number	UK-0019792-0008
Date of the authorisation	13/06/2019
Expiry date of the authorisation	30/06/2020

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Remmers GmbH
Address of the manufacturer	Bernhard-Remmers-Straße 13 49624 Lönigen Germany
Location of manufacturing sites	Bernhard-Remmers-Straße 13 49624 Lönigen Germany

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

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Chemical Company BV
Address of the manufacturer	Uiverlaan 12E 3145 XN Maassluis Netherlands
Location of manufacturing sites	One Avenue L NJ, 07105 Newark United States

2. Product composition and formulation

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

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	0.94
White spirit	Naphtha (petroleum), hydrodesulfurized heavy		64742-82-1	265-185-4	34.85

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	<p>May be fatal if swallowed and enters airways.</p> <p>Causes skin irritation.</p> <p>Harmful to aquatic life with long lasting effects.</p> <p>Causes damage to organs central nervous system through prolonged or repeated exposure .</p> <p>Repeated exposure may cause skin dryness or cracking.</p> <p>Causes serious eye irritation.</p> <p>Contains IPBC. May produce an allergic reaction.</p>
Precautionary statements	<p>If medical advice is needed, have product container or label at hand.</p>

Keep out of reach of children.

Read carefully and follow all instructions.

Do not breathe vapours.

Wear protective clothing.

Avoid release to the environment.

IF SWALLOWED:Immediately call a POISON CENTER.

IF INHALED:Remove person to fresh air and keep comfortable for breathing.

If skin irritation or rash occurs:Get medical advice.

If eye irritation persists:Get medical attention.

Do NOT induce vomiting.

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

Wear protective gloves.

IF SWALLOWED:Immediately call a POISON CENTER.

If eye irritation persists:Get medical advice.

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

4. Authorised use(s)

4.1 Use description

Use 1 - Preventive protection against blue stain fungi - professional use

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive protection against blue stain fungi by spraying and brushing in use class 2 and 3.
Target organism(s) (including development stage)	Aureobasidium pullulans spp.-Blue stain fungi-Hyphae
Field(s) of use	Outdoor Target organism: preventive protection against blue-staining fungi in UC 2 and 3 according to EN 335
Application method(s)	Open system: brush treatment - Target organisms: blue stain fungi Field of use: Use Phase of treated Wood in Use Classes 2 and 3 acc. to EN 335, site of product application: outdoors, partly in situ

	<p>Spraying - only in closed facilities Target organisms: blue stain fungi Field of use: use Phase of treated wood in UC 2 and 3 according to EN 335, site of product application only at industrial indoor work places, no in situ application</p>
<p>Application rate(s) and frequencies</p>	<p>205-250 ml/m² - 100 - Apply at least 2 subsequent coats. Drying-time brushing: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher</p> <p>205-250 ml/m² - 100 - Drying time: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)</p>
<p>Category(ies) of users</p>	<p>Trained professional Professional</p>
<p>Pack sizes and packaging material</p>	<p>Can /Tin, coated tin plate , 0.75 L, 2.5 L, 5L</p> <p>coated tin plate</p> <p>Maximum package size for consumer use: 10 L</p>

4.1.1 Use-specific instructions for use

See section 5.1 below

4.1.2 Use-specific risk mitigation measures

Spraying application: Wear coated coveralls (protection of 90 %) and gloves.
See section 5.2 below for further measures.

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 section 5.3 below

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

See section 5.4 below

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

See section 5.1 below

4.2 Use description

Use 2 - Preventive protection against blue stain fungi - industrial use

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

Preventive protection against blue stain fungi by spraying, flow-coating and dipping in use class 2 and 3.

Target organism(s) (including development stage)

Aureobasidium pullulans spp.-Blue stain fungi-Hyphae

Field(s) of use

Outdoor

Target organism: preventive protection against blue-staining fungi in UC 2 and 3 according to EN 335

Application method(s)

Open system: dip treatment -
Target organisms: blue stain fungi
Field of use: use Phase of treated Wood in UC 2 and 3 according to EN 335, site of product application only at industrial indoor work places, no in situ application

Open system: deluging -
flow coating
Target organisms: blue stain fungi
Field of use: use Phase of treated Wood in UC 2 and 3 according to EN 335, site of product application only at industrial indoor work places, no in situ application

Spraying -
only in closed facilities
Target organisms: blue stain fungi
Field of use: use Phase of treated wood in UC 2 and 3 according to EN 335, site of product application only at industrial indoor work places, no in situ application

Application rate(s) and frequencies

205-250 ml/m² - 100 -
Drying time after application: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)

205-250 ml/m² - 100 -
Drying time: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)

205-250 ml/m² - 100 -
Drying time: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)

Category(ies) of users

Industrial

Pack sizes and packaging material

Can /Tin, coated tin plate , 0.75 L, 2.5 L, 5L

coated tin plate

Maximum package size for consumer use: 10 L

4.2.1 Use-specific instructions for use

See section 5.1 below

4.2.2 Use-specific risk mitigation measures

Wear coated coveralls (protection of 90 %) and gloves.
Industrial application shall be conducted within a contained area on impermeable hard standing.
See section 5.2 below for further measures.

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

See section 5.3 below

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

See section 5.4 below

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

See section 5.5 below

5. General directions for use

5.1. Instructions for use

Application rate 205-250 ml/m² (180-220 g/m²).
Drying-time brushing: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)
Clean tool immediately after use with a thinner
Apply solvent-resistant skin protection cream to hands and arms before working to avoid skin cracking

5.2. Risk mitigation measures

Use only in well ventilated areas
Do not use indoor except for external windows frames and external doors.
Do not use on wood than comes in direct contact with food or feed.
Treated wood should not be intended for uses involving contact with food, feed or livestock.
Prevent any release to the environment during the product application phase as well as during the storage and the transport of treated timber.
Industrial application shall be conducted within a contained area on impermeable hard standing.
Freshly treated timber shall be stored after treatment under shelter or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and any losses of the product shall be collected for reuse or disposal.
Any contaminated water/soil shall be collected, contained and treated as hazardous waste.
Open and handle with care
Do not eat, drink or smoke while working
Avoid contact with eyes and skin
Keep away from food, beverages and animal feed
Wash hands before pauses and after work
Do not inhale gases/vapours
Keep ignition sources away. – do not smoke
Protect against electrostatic charges
Fumes can combine with air to form an explosive mixture

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

HK-Lasur

General information:

Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest, provide artificial respiration. If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Take affected persons into the open air and position comfortably. Seek medical treatment in case of complaints. In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

Wash immediately with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing:

Do not induce vomiting. Do not give anything to drink. Call a doctor immediately! Keep the person affected quiet.

Information for doctor:

The following symptoms may occur:

In case of prolonged/repeated exposure or in high concentrations:

Headache

Dizziness

Dry skin

Irritating effect on skin and eyes.

Inhalation may have an irritating effect on mucous membranes.

Danger: Long-term or repeated exposure may cause inflammation of the skin (dermatitis).

Treatment: Symptomatic treatment

To avoid dermatitis (skin inflammation), use skin cream.

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies. Do not allow to enter the ground/soil.

Prevent from spreading (e.g. by confining or oil barrier). This product may not be allowed to reach surface water because it is toxic to aquatic environments.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable containers. Clean soiled surfaces with detergent. Treat washing liquid as special refuse. Place leaking containers in a marked drum or recovery drum. Ensure adequate ventilation.

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

HK-Lasur

Disposal considerations

Product:

Recommendation:

Liquid material remains are to be disposed of at collection facilities for old varnishes. Do not dispose of together with household garbage. Do not allow product to reach sewage system. The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

European waste catalogue:

03 02 02 organochlorinated wood preservatives

Uncleaned packaging:

Recommendation:

Only completely empty containers may be recycled. Disposal must be made according to official regulations.

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

HK-Lasur

Store in cool location.

Store away from food.

Store cool and dry in tightly closed containers.

Store container in a well-ventilated position.

Protect from frost.

Protect from heat and direct sunlight.

Smoking is prohibited in storage rooms.

Shelf life: 2 years

6. Other information

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