

Summary of product characteristics for a biocidal product

Product name: HSL-30/m 0.5%

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

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Authorisation number: 692-9

R4BP 3 asset reference number: DK-0012311-0004

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Administrative information

1.1. Trade names of the product

HSL-30/m 0.5%

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	692-9 1-2

R4BP 3 asset reference number

DK-0012311-0004

Date of the authorisation

23/06/2015

Expiry date of the authorisation

30/10/2025

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
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Location of manufacturing sites

Bernhard-Remmers-Straße 13 49624 Lönigen Germany
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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	0,5
Propan-2-ol		Non-active substance	67-63-0		0,1
Naphtha (petroleum), hydrotreated heavy	Naphtha (petroleum), hydrotreated heavy	Non-active substance	64742-48-9	918-481-9	49,9025
Hydrocarbons, C9, aromatics / Solvent naphtha (petroleum), light arom. (Benzene < 0,1 %)		Non-active substance	64742-95-6	918-668-5	0,102
low boiling point hydrogen treated naphtha		Non-active substance	64742-82-1		0,337
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics		Non-active substance		920-360-0	18
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics		Non-active substance		927-632-8	0
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified		Non-active substance	64742-94-5	265-198-5	0
Xylene, mixture of isomers		Non-active substance	1330-20-7	215-535-7	0,112
xylol, reaction mass of o-xylol, m-xylol, p-xylol and ethylbenzene		Non-active substance		905-588-0	0,28
Ethylbenzene		Non-active substance		202-849-4	0,048

2.2. Type of formulation

3. Hazard and precautionary statements

Hazard statements

May be fatal if swallowed and enters airways.
 Harmful to aquatic life with long lasting effects.
 Repeated exposure may cause skin dryness or cracking.
 Contains IPBC. May produce an allergic reaction.

Precautionary statements

If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Avoid release to the environment.
 IF SWALLOWED: Immediately call a .
 Do NOT induce vomiting.
 Dispose of contents to in accordance with local/regional/national/international regulations...
 Store locked up.

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 brushing

Target organism(s) (including development stage)

Scientific name: Aureobasidium pullulans spp.
 Common name: Blue stain fungi
 Development stage: Hyphae

Field(s) of use

	<p>Outdoor</p> <p>Preventive protection against blue stain fungi in UC 2 and 3 according to EN 335</p>
<p>Application method(s)</p>	<p>Method: Open system: brush treatment Detailed description: 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>
<p>Application rate(s) and frequencies</p>	<p>Application Rate: 205-250 ml/m² Dilution (%): Ready-to-use product Number and timing of application: 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>Category(ies) of users</p>	<p>Trained professional</p> <p>Professional</p>
<p>Pack sizes and packaging material</p>	<p>Can /Tin, coated tin plate , 0.75 L, 2.5 L, 5L, 10 L, 20 L</p> <p>coated tin plate</p>

4.1.1 Use-specific instructions for use

See section 5.1 below

4.1.2 Use-specific risk mitigation measures

Do not apply near bodies of surface water or in the area of water protection zones
During in-situ application to timbers and whilst surfaces are drying, do not contaminate soil. All losses of the product have to be contained (by covering the soil) and disposed of in a safe way.

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
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 5.5 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 dipping, flow-coating and spraying in use class 2 and 3
Target organism(s) (including development stage)	Scientific name: Aureobasidium pullulans spp. Common name: Blue stain fungi Development stage: Hyphae
Field(s) of use	Outdoor Preventive protection against blue stain fungi in UC 2 and 3 according to EN 335
Application method(s)	Method: Open system: dip treatment Detailed description: 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 Method: Open system: deluging Detailed description: 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 Method: Spraying Detailed description: 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

Application Rate: 205-250 ml/m²
Dilution (%): Ready-to-use product
Number and timing of application:
Drying time after application: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)

Application Rate: 205-250 ml/m²
Dilution (%): Ready-to-use product
Number and timing of application:
Drying time: Approximately 12 hours at 20°C/65% rel. humidity (increased drying time with lower temperature and higher humidity.)

Application Rate: 205-250 ml/m²
Dilution (%): Ready-to-use product
Number and timing of application:
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, 10L, 20L

coated tin plate

4.2.1 Use-specific instructions for use

See section 5.1 below

4.2.2 Use-specific risk mitigation measures

Industrial application shall be conducted within a contained area on impermeable hard standing.
Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
For automated flow-coat and automated spraying; A protective coverall (at least type 6, EN 13034) shall be worn.

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

4.3 Use description

Use 3 - Preventive protection against blue stain fungi - general public use

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Preventive protection against blue stain fungi by brushing in use class 2 and 3
Target organism(s) (including development stage)	Scientific name: Aureobasidium pullulans spp. Common name: Blue stain fungi Development stage: Hyphae
Field(s) of use	Outdoor Preventive protection against blue stain fungi in UC 2 and 3 according to EN 335
Application method(s)	Method: Open system: brush treatment Detailed description: 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
Application rate(s) and frequencies	Application Rate: 205-250 ml/m ² Dilution (%): Ready-to-use product Number and timing of application: 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
Category(ies) of users	General public (non-professional)
Pack sizes and packaging material	Can /Tin, coated tin plate , 0.75 L, 2.5 L, 5L. coated tin plate

4.3.1 Use-specific instructions for use

See section 5.1 below

4.3.2 Use-specific risk mitigation measures

Do not apply near bodies of surface water or in the area of water protection zones
During in-situ application to timbers and whilst surfaces are drying, do not contaminate soil. All losses of the product have to be contained (by covering the soil) and disposed of in a safe way.

See section 5.2 below for further measures

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

See section 5.3 below

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

See section 5.4 below

4.3.5 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).

Only use this product on wooded surfaces of non-load bearing timber, this are susceptible to infestation by blue stain fungi, but not threatened by wood destroying fungi due to the wood wuality or the use conditions.

This product should not be used in combination with other fungicidal products.

Drying-time: approximately 12 hours at 20 degrees 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 indoors except for external window frames and external doors.
Do not use on wood that 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 transportation of treated timber.
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
Keep children and pets away from treated surfaces until dried
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
The packaging has to be fitted with a child-resistant fastening and a tactile warning, when supplied to the general public

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

Safety phrases: Keep out of the reach of children.
Keep away from food, drink and animal feedingstuffs
Avoid contact with skin
After contact with skin, wash immediately with plenty of soap and water.
If swallowed, seek medical advice immediately and show this container on Label
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

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

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

The label of the product should contain the following information (in Danish):

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret:

1) I hovedfeltet:

"Træbeskyttelsesmiddel

Må kun anvendes over jord til træbeskyttelse mod blåsplint.

Må kun anvendes i brugsklasse 2 og 3 jf. DS/EN335-1."

2) I advarselsfeltet:

"FARE

Kan være livsfarligt, hvis det indtages og kommer i luftvejene (H304)

Skadelig for vandlevende organismer, med langvarige virkninger (H412)

Gentagen kontakt kan give tør og revnet hud (EUH066)

Undgå udledning til miljøet.

Vask huden grundigt efter brug.

Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

Må kun anvendes over jord til træbeskyttelse mod blåsplint. Må kun anvendes i brugsklasse 2 og 3 jf. DS/EN335-1.

Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.

Må kun anvendes i doseringer på 205-250 ml/m² ved pensling samt erhvervs-mæssig dykning, flow-coat proces og sprøjtning.

Må ikke anvendes til træværk, der kommer i direkte berøring med fødevarer og foderstoffer.

Produktet må tillige anvendes i den angivne dosering i fuldautomatiserede neddykningsprocesser, hvor alle trin i behandlings- og tørringsprocessen er mekaniserede, og ikke omfatter manuel håndtering, herunder når de behandlede artikler trans-porteres gennem dypetanken til drænings-/tørrings-om-rådet og lageret (hvis de ikke allerede er tørre på overfladen, inden de flyttes til lageret). Om nødvendigt skal de træartikler, der skal behandles, fastgøres helt (f.eks. med spændebånd eller fastspændingsanordninger) inden behandling og under neddykningsprocessen og må ikke håndteres manuelt, før overfladen på de behandlede artikler er tør.

Behandlet træ må indendørs kun bruges til vinduesrammer og yderdøre.

Må ikke anvendes indendørs.

Ved påførsel skal jorden afdækkes, således at eventuelt spild opsamles.

Før at beskytte organismer, der lever i vand, må midlet ikke anvendes i umiddelbar nærhed af vandmiljøet (vandløb, søer m.v.).

Må ikke tømmes i kloak afløb.

Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer.

Nedenstående sætning påføres etiketten til produkter til privat anvendelse og i børnesikret emballage:

Opbevares utilgængeligt for børn.

Nedenstående sætning påføres etiketten til produkter til erhvervsmæssig brug:

Opbevares under lås og utilgængeligt for børn.

Nedenstående supplerende forskrifter er kun relevant ved erhvervsmæssig anvendelse:

Nyligt behandlet træ skal efter behandlingen henstilles overdækket eller på et hårdt og uigennemtrængeligt underlag for at forebygge direkte spild til jord og vand

Eventuelt spild skal opsamles til genbrug eller bortskaffelse."

Farepiktogrammet GHS08.

Miljøstyrelsen henleder opmærksomheden på, at godkendelsesindehaver skal anføre oplysninger om førstehjælp, herunder:

"Hvis der er brug for lægehjælp, medbring da beholderen eller etiketten.

VED KONTAKT MED HUDEN: Vask med rigeligt vand.

I TILFÆLDE AF INDTAGELSE: Ring omgående til en GIFTINFORMATION/læge fremkald IKKE opkastning."

3) I deklarationsfeltet:

a) Teksten "Træbeskyttelsesmiddel BPR-nr. 692-9-2-x[1]. Aktivstoffet godkendt efter biociddirektivet (98/8/EF). Produktet er godkendt efter biocidforordningen (Forordning (EU) 528/2012)".

b) Oplysning om præparattype: "Væske" for dette præparat.

c) Indholdet af aktivstoffet i vægtprocent og g/L ved 20 °C.

d) Sætningen: "Indeholder IPBC. Kan udløse allergisk reaktion. Indeholder cykliske kulbrinte forbindelser."

e) Udløbsdatoen skal anføres. Denne dato må højst være to år efter produktionsdatoen. Etikettens dato kan udformes som en hen-visning til en produktionsdato andetsteds på emballagen.

f) Batchnummer eller -betegnelse skal anføres.

g) Pakningsstørrelse i liter.

h) Godkendelsesindehavers navn og adresse.

4) Brugsanvisningen:

Oplysninger om skadevoldere, anvendelsesområde og doseringer.

Brugsanvisningen skal rettes til efter den vedlagte effektivitetsvurdering fra Teknologisk Institut, Træ og Miljø.

Følgende sætninger på en fremtrædende plads i brugsanvisningen:

" Indholdet/beholderen bortskaffes i overensstemmelse med kommunale regler for affaldshåndtering.

Rester skal afleveres til den kommunale affaldsordning for farligt affald. Tomme beholdere kan bortskaffes med dagrenovationen."