

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Hesse HYDRO Rustic stain PEX BN XX-FT

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/preparation

Surface treatment of wood and other materials

#### Identified Uses

	REACHSET 1000
SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

	REACHSET 2001
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC11	Non industrial spraying

	REACHSET 2003
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC10	Roller application or brushing

	REACHSET 3001
SU21	Consumer uses: Private households (= general public = consumers)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC11	Non industrial spraying

	REACHSET 3003
SU21	Consumer uses: Private households (= general public = consumers)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC10	Roller application or brushing

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Hesse GmbH & Co. KG  
Warendorfer Strasse 21  
59075 Hamm (Germany)

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Telephone no. +49 (0) 2381 963-00  
Fax no. +49 (0) 2381 963-849  
E-mail address ps@hesse-lignal.de

#### 1.4. Emergency telephone number

Germany: +49 (0) 2381 788-612

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)  
Skin Sens. 1 H317

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

#### 2.2. Label elements

##### Labelling according to regulation (EC) No 1272/2008

##### Hazard pictograms



##### Signal word

Warning

##### Hazard statements

H317 May cause an allergic skin reaction.

##### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

##### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Acid Brown 355; 1,2-benzisothiazol-3(2H)-one; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

#### 2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### SECTION 3: Composition/information on ingredients

#### Hazardous ingredients

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

**diacetone alcohol**

CAS No. 123-42-2  
EINECS no. 204-626-7  
Registration no. 01-2119473975-21  
Concentration  $\geq 1$  < 3 %  
Classification (Regulation (EC) No. 1272/2008)  
STOT SE 3 H335 Respiratory tract  
Eye Irrit. 2 H319  
Repr. 2 H361d

Concentration limits (Regulation (EC) No. 1272/2008)  
Eye Irrit. 2 H319 10 %

**Acid Brown 355**

CAS No. 84989-26-4  
EINECS no. 284-915-2  
Registration no. 01-2120077343-57  
Concentration  $\geq 1$  < 10 %  
Classification (Regulation (EC) No. 1272/2008)  
Skin Sens. 1 H317  
Aquatic Chronic 3 H412

**1,2-benzisothiazol-3(2H)-one**

CAS No. 2634-33-5  
EINECS no. 220-120-9  
Registration no. 01-2120761540-60  
Concentration  $\geq 0,036$  < 0,1 %  
Classification (Regulation (EC) No. 1272/2008)  
Acute Tox. 4 H302  
Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Skin Sens. 1 H317  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410  
Acute Tox. 2 H330

Concentration limits (Regulation (EC) No. 1272/2008)  
Skin Sens. 1 H317  $\geq 0,036$  %

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

CAS No. 55965-84-9  
EINECS no. 611-341-5  
Concentration < 0,001 %  
Classification (Regulation (EC) No. 1272/2008)  
Acute Tox. 2 H330  
Acute Tox. 2 H310  
Acute Tox. 3 H301  
Skin Corr. 1B H314  
Skin Sens. 1 H317  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410  
Eye Dam. 1 H318

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1C	H314	>= 0,6 %
Skin Irrit. 2	H315	>= 0,06 %
Eye Irrit. 2	H319	>= 0,06 %
Skin Sens. 1	H317	>= 0,0015 %
Eye Dam. 1	H318	>= 0,6 %
Aquatic Chronic 1	H410	M = 100
Aquatic Acute 1	H400	M = 100

**Further ingredients**

**propane-1,2-diol**

CAS No.	57-55-6				
EINECS no.	200-338-0				
Registration no.	01-2119456809-23				
Concentration	>= 1	<	10	%	
Advice:	[3]				

**Note**

[3] Substance with occupational exposure limits

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove affected person from danger area, lay him down. In all cases of doubt, or when symptoms persist, seek medical attention. Get medical advice/attention if you feel unwell. First aider: Pay attention to self-protection!

**After inhalation**

When spray fog inhaled, seek medical aid.

**After skin contact**

Wash off immediately with soap and water. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

**After ingestion**

Do not induce vomiting. Take medical treatment.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Hints for the physician / treatment**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist

### **Non suitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

## **5.2. Special hazards arising from the substance or mixture**

Fire will produce dense black smoke. In a fire, hazardous decomposition products may be produced.

Exposure to decomposition products may cause a health hazard.

## **5.3. Advice for firefighters**

### **Special protective equipment for fire-fighting**

In case of combustion evolution of dangerous gases possible. Use self-contained breathing apparatus.

### **Other information**

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water. Standard procedure for chemical fires.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale vapours. Do not inhale gases. Do not inhale mist.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water canal. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### **6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Do NOT use solvents or thinners. Send in suitable containers for recovery or disposal.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Keep container tightly closed and dry in a cool, well-ventilated place. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Do not eat, drink or smoke when using this product. Use personal protective clothing. For personal protection see Section 8.

#### **Advice on protection against fire and explosion**

Fight fire with normal precautions from a reasonable distance.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage stability**

Protect from frost.

#### **Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### **Hints on storage assembly**

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

## Storage classes

Storage class according to TRGS 510 10 Flammable liquids

## Further information on storage conditions

Keep away from heat. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

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#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### diacetone alcohol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	32,6	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	467	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	5,8	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	1,67	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	167	mg/kg/d

##### propane-1,2-diol

Type of value	Derived No Effect Level (DNEL)	
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Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	168	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	10	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	10	mg/m <sup>3</sup>

#### **Acid Brown 355**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,51	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,12	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	0,04	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Mode of action	Systemic effects	
Concentration	0,36	mg/kg/d

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,02	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,09	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,02	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,04	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	0,11	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (industrial)	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,04	mg/m³

**1,2-benzisothiazol-3(2H)-one**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Concentration	6,81	mg/m³
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Type of value	Derived No Effect Level (DNEL)
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Reference group	Worker
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Duration of exposure	Long term
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Route of exposure	dermal
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Mode of action	Systemic effects
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Concentration	0,966	mg/kg
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Type of value	Derived No Effect Level (DNEL)
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Reference group	Consumer
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Duration of exposure	Long term
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Route of exposure	inhalative
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Mode of action	Systemic effects
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Concentration	1,2	mg/m³
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Type of value	Derived No Effect Level (DNEL)
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Reference group	Consumer
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Duration of exposure	Long term
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Route of exposure	dermal
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Mode of action	Systemic effects
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Concentration	0,345	mg/kg
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### Predicted No Effect Concentration (PNEC)

#### diacetone alcohol

Type of value	PNEC
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Type	Freshwater
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Concentration	2	mg/l
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Type of value	PNEC
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Type	Saltwater
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Concentration	0,2	mg/l
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Type of value	PNEC
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Conditions	sporadic release
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Concentration	1	mg/l
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Type of value	PNEC
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Type	Sewage treatment plant (STP)
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Concentration	10	mg/l
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Type of value	PNEC
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Type	Fresh water sediment
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Concentration	7,4	mg/kg/d
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Type of value	PNEC
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Type	saltwater sediment
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Concentration	0,74	mg/kg/d
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Type of value	PNEC
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Type	Soil
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Concentration	0,31	mg/kg/d
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Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

**propane-1,2-diol**

Type of value	PNEC	
Type	Freshwater	
Concentration	260	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	26	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	20000	mg/l
Type of value	PNEC	
Type	Fresh water sediment	
Concentration	572	mg/kg
Type of value	PNEC	
Type	saltwater sediment	
Concentration	57,2	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	50	mg/kg

**Acid Brown 355**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,01	mg/l
Type of value	PNEC	
Type	marine water	
Concentration	0,001	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l
Type of value	PNEC	
Type	Fresh water sediment	
Concentration	0,038	mg/kg
Type of value	PNEC	
Type	saltwater sediment	
Concentration	0,004	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,002	mg/kg

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H**

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

**-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Type of value	PNEC	
Type	marine water	
Concentration	3,39	µg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	0,23	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,027	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,027	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,01	mg/kg
Type of value	PNEC	
Type	Freshwater	
Concentration	3,39	µg/l

**1,2-benzisothiazol-3(2H)-one**

Type of value	PNEC	
Type	Freshwater	
Concentration	4,03	µg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,403	µg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1,03	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,0499	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,00499	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	3	mg/kg

**8.2. Exposure controls**

**Exposure controls**

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Users are advised to consider national Occupational Exposure Limits or other equivalent values. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

### **Respiratory protection**

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol. Recommended Filter type: Respiratory protection mask with combination filter A/P2

### **Hand protection**

Glove material

Appropriate Material	butyl-rubber
Material thickness	$\geq 0,5$ mm
Breakthrough time	$\geq 120$ min

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

### **Body protection**

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

**Physical state** liquid

**Colour** coloured

**Odour** characteristic

#### **Melting point**

Remarks not determined

#### **Freezing point**

Remarks not determined

#### **Boiling point or initial boiling point and boiling range**

Value	100	to	184	°C
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#### **Flammability**

not determined

#### **Upper and lower explosive limits**

Remarks not determined

#### **Flash point**

Value	> 60	°C
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#### **Auto-ignition temperature**

Remarks not determined

#### **Decomposition temperature**

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Remarks not determined

#### pH value

Value 8  
Concentration/H<sub>2</sub>O 100  
Remarks Not applicable

#### Viscosity

Remarks not determined

#### Solubility(ies)

Remarks not determined

#### Partition coefficient n-octanol/water (log value)

Remarks not determined

#### Vapour pressure

Remarks not determined

#### Density and/or relative density

Value appr. 1,026 kg/l  
Temperature 20 °C

#### Relative vapour density

Remarks not determined

#### Particle characteristics

Remarks not determined

### 9.2. Other information

#### Odour threshold

Remarks not determined

#### Solubility in water

Remarks not determined

#### Efflux time

Value 20 to 48 s  
Temperature 20 °C  
Method DIN EN ISO 2431 - 3 mm

#### Explosive properties

evaluation not determined

#### Oxidising properties

Remarks not determined

#### Non-volatile content

Value 12 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage and handling conditions (see section 7).

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

To avoid thermal decomposition, do not overheat.

#### 10.4. Conditions to avoid

Isolate from sources of heat, sparks and open flame.

#### 10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NO<sub>x</sub>), dense black smoke, No decomposition if used as prescribed.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute oral toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

##### Acute oral toxicity (Components)

###### 1,2-benzisothiazol-3(2H)-one

Species	rat	
LD50	450	mg/kg
Source	Annex VI Hazardous Substance	

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

ATE	53	mg/kg
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##### Acute dermal toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

##### Acute dermal toxicity (Components)

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

ATE	50	mg/kg
Method	conversion	

##### Acute inhalational toxicity

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

##### Acute inhalative toxicity (Components)

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

ATE	0,05	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	conversion value	

##### Skin corrosion/irritation

Method	Calculation method (Regulation (EC) No. 1272/2008)
Remarks	Based on available data, the classification criteria are not met.

##### Skin corrosion/irritation (Components)

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

**1,2-benzisothiazol-3(2H)-one**

evaluation Irritating to skin.

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Species rabbit  
evaluation Severe skin irritation

**Serious eye damage/irritation**

Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

**Serious eye damage/irritation (Components)**

**Acid Brown 355**

Species rabbit  
evaluation Irritating to eyes.

**diacetone alcohol**

Species rabbit  
evaluation Irritating to eyes.  
Source 2 (reliable with restrictions)

**1,2-benzisothiazol-3(2H)-one**

evaluation Irritating to eyes.

**Sensitization**

evaluation May cause sensitization by skin contact.  
Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks The classification criteria are met.

**Sensitization (Components)**

**1,2-benzisothiazol-3(2H)-one**

Reference substance 1,2-benzisothiazol-3(2H)-one  
evaluation May cause sensitization by skin contact.

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Species guinea pig  
evaluation Causes sensitisation on guinea-pigs.

**Acid Brown 355**

Species mouse  
evaluation May cause sensitization by skin contact.  
Source 2 (reliable with restrictions)

**Mutagenicity**

Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

**Reproduction toxicity (Components)**

**diacetone alcohol**

Species rat  
evaluation Reproductive toxicity, Category 2  
Method OECD 422  
Remarks Suspected of damaging the unborn child.

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Source 2 (reliable with restrictions)

### Carcinogenicity

Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT)

#### Single exposure

Method Calculation method (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

#### Repeated exposure

Remarks Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) (Components)

#### diacetone alcohol

##### Specific target organ toxicity - single exposure

Organs: Respiratory tract  
Remarks May cause respiratory irritation.

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

### Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

### Other information

No toxicological data are available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

For this subsection there is no ecotoxicological data available on the product as such.

#### Fish toxicity (Components)

##### Acid Brown 355

Species	Danio rerio (zebra fish)	
LC50	40	mg/l
Duration of exposure	96 h	

##### 1,2-benzisothiazol-3(2H)-one

Species	Oncorhynchus mykiss (rainbow trout)	
LC50	2,18	mg/l
Duration of exposure	96 h	

##### reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

Species	Oncorhynchus mykiss (rainbow trout)	
LC50	0,19	mg/l
Duration of exposure	96 h	

#### Daphnia toxicity (Components)

##### 1,2-benzisothiazol-3(2H)-one

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Species	Daphnia magna (Water flea)	
EC50	2,94	mg/l
Duration of exposure	48	h

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Species	Daphnia magna (Water flea)	
EC50	0,16	mg/l
Duration of exposure	48	h

#### Algae toxicity (Components)

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Species	Scenedesmus capricornutum (fresh water algae)	
EC50	0,018	mg/l
Duration of exposure	72	h

#### Bacteria toxicity (Components)

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Species	activated sludge	
EC50	4,5	mg/l

## 12.2. Persistence and degradability

### General information

For this subsection there is no ecotoxicological data available on the product as such.

### Biodegradability (Components)

#### Acid Brown 355

Value	< 10	%
-------	------	---

#### 1,2-benzisothiazol-3(2H)-one

evaluation Not readily biodegradable.

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)**

evaluation Not readily biodegradable.

### Chemical oxygen demand (COD) (Components)

#### Acid Brown 355

Value	990	g O2/g
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## 12.3. Bioaccumulative potential

### General information

For this subsection there is no ecotoxicological data available on the product as such.

### Partition coefficient n-octanol/water (log value)

Remarks	not determined
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## 12.4. Mobility in soil

### General information

For this subsection there is no ecotoxicological data available on the product as such.

### Mobility in soil

no data available

## 12.5. Results of PBT and vPvB assessment

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

### General information

For this subsection there is no ecotoxicological data available on the product as such.

### Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

### General information

For this subsection there is no ecotoxicological data available on the product as such.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Where possible recycling is preferred to disposal or incineration.

Do not allow to enter drains or waterways.

#### Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of sea and air transport regulations.	Not a dangerous substance as defined in the above regulations.

### Information for all modes of transport

#### 14.6. Special precautions for user

See Sections 6 to 8

### Other information

#### 14.7. Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information \*\*\*

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Restriction according to annex XVII to regulation (EU) No 1907/2006

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry No.

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

3.

**Ingredients with restrictions according to Annex XVII Regulation (EU) No. 1907/2006 \*\*\***

**reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H  
-isothiazol-3- one [EC no. 220-239-6] (3:1)**

Entry No. 75 (\*)

(\*) Conditions of restriction see Annex XVII Regulation (EU) No. 1907/2006 (REACH)

**Other information**

All components are contained in the TSCA inventory or exempted.

**SECTION 16: Other information**

**Hazard statements listed in Chapter 3**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Changes since the last version are highlighted in the margin (\*\*\*). This version replaces all previous versions.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

guarantee certain properties.

## **Annex to the extended Safety Data Sheet (eSDS)**

### **Short title of the exposure scenario**

ES017 - Industrial applications: industrial spraying (inside)

### **Use of the substance/preparation**

Surface treatment of wood and other materials

### **Use**

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
PROC7	Industrial spraying

## **Contributing exposure scenario controlling environmental exposure**

### **Use**

ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix

### **Physical form**

liquid

### **Maximum amount used per time or activity**

Emission days per site: <= 300

### **Other relevant operational conditions**

Use: Room temperature  
Drying and through-curing takes place at ambient temperature or at higher temperatures.  
Curing takes place through UV light exposure (only with UV light curing systems ).  
Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter soil, waterways or waste water canal.  
Dispose of rinse water in accordance with local and national regulations.

### **Waste water**

Do not discharge into the drains/surface waters/groundwater. Spray cabin waters are to be conducted after mechanical pretreatment into a wastewater treatment facility.

### **Exhaust air**

Keep container closed. Avoid release to the environment.

### **Soil**

Floors should be impervious, resistant to liquids and easy to clean.

### **Disposal recommendations for the product**

Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter drains or waterways.

### **Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

## **Contributing exposure scenario controlling worker exposure**

### **Use**

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
-----	--

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

PROC7 Industrial spraying  
**Physical form** liquid

**Maximum amount used per time or activity**

Duration of exposure	<=	8	h/d
Frequency of exposure	<=	220	d/a

**Other relevant operational conditions**

Use: Room temperature  
Drying and through-curing takes place at ambient temperature or at higher temperatures.  
Curing takes place through UV light exposure (only with UV light curing systems ).  
Read attached instructions before use.

**Product substance and product safety related measures**

Mainly used in closed systems. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

**Respiratory protection**

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.  
Recommended Filter type: Respiratory protection mask with combination filter A/P2

**Hand protection**

Glove material	
Appropriate Material	butyl-rubber
Material thickness	>= 0,5
Breakthrough time	>= 120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

**Body protection**

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

**Exposure estimation and reference to its source**

**Workers (industrial)**

SU	SU3
PROC	PROC7
Assessment method	inhalative
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

**Workers (industrial)**

SU	SU3
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Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

PROC  
Assessment method

Exposure assessment (method)  
Risk characterisation ratio (RCR)  
Lead substance

**Workers (industrial)**

SU  
PROC  
Assessment method

Exposure assessment (method)  
Risk characterisation ratio (RCR)  
Lead substance

**Workers (industrial)**

SU  
PROC  
Assessment method

Exposure assessment (method)  
Risk characterisation ratio (RCR)  
Lead substance

**Workers (industrial)**

SU  
PROC  
Assessment method

Exposure assessment (method)  
Risk characterisation ratio (RCR)  
Lead substance

**Workers (industrial)**

SU  
PROC  
Assessment method

Exposure assessment (method)  
Risk characterisation ratio (RCR)  
Lead substance

PROC7  
dermal  
Long-term  
ECETOC TRA  
0,9  
diacetone alcohol

SU22  
PROC10  
inhalative  
Long-term  
ECETOC TRA  
0,75  
diacetone alcohol

SU3  
PROC10  
dermal  
Long-term  
ECETOC TRA  
0,5  
diacetone alcohol

SU3  
PROC13  
inhalative  
Long-term  
ECETOC TRA  
0,5  
diacetone alcohol

SU3  
PROC13  
dermal  
Long-term  
ECETOC TRA  
0,5  
diacetone alcohol

## **Information on estimated exposure and downstream-user guidance**

### **Guidance for Downstream Users**

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.

## **Annex to the extended Safety Data Sheet (eSDS)**

### **Short title of the exposure scenario**

ES019 - Professional uses: Non industrial spraying (inside)

### **Use of the substance/preparation**

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Surface treatment of wood and other materials

#### Use

SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROC11	Non industrial spraying

### **Contributing exposure scenario controlling environmental exposure**

#### Use

ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix

#### Physical form

liquid

#### Maximum amount used per time or activity

Emission days per site: <= 250

#### Other relevant operational conditions

Use: Room temperature  
Drying and through-curing takes place at ambient temperature or at higher temperatures.  
Curing takes place through UV light exposure (only with UV light curing systems ).  
Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter soil, waterways or waste water canal.  
Dispose of rinse water in accordance with local and national regulations.

#### Waste water

Do not discharge into the drains/surface waters/groundwater.

#### Exhaust air

Keep container closed. Avoid release to the environment.

#### Soil

Floors should be impervious, resistant to liquids and easy to clean.

#### Disposal recommendations for the product

Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter drains or waterways.

#### Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

### **Contributing exposure scenario controlling worker exposure (professional)**

#### Short title of the exposure scenario

Substance number:CES038

#### Use

SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC11	Non industrial spraying

#### Physical form

liquid

#### Maximum amount used per time or activity

Duration of exposure	<=	8	h/d
Frequency of exposure	<=	220	d/a

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

### Other relevant operational conditions

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Curing takes place through UV light exposure (only with UV light curing systems ).

Read attached instructions before use.

### Product substance and product safety related measures

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

### Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.

Recommended Filter type: Respiratory protection mask with combination filter A/P2

### Hand protection

Glove material

Appropriate Material butyl-rubber

Material thickness  $\geq$  0,5

Breakthrough time  $\geq$  120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

### Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

### Exposure estimation and reference to its source

#### Workers (professional)

SU

SU22

PROC

PROC11

Assessment method

inhalative

Long-term

Exposure assessment (method)

ECETOC TRA

Risk characterisation ratio (RCR)

0,5

Lead substance

diacetone alcohol

#### Workers (professional)

SU

SU22

PROC

PROC13

Assessment method

inhalative

Long-term

Exposure assessment (method)

ECETOC TRA

Risk characterisation ratio (RCR)

0,5

Lead substance

diacetone alcohol

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

**Workers (professional)**

SU	SU22
PROC	PROC10
Assessment method	inhalative
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,75
Lead substance	diacetone alcohol

**Workers (professional)**

SU	SU22
PROC	PROC10
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

**Workers (professional)**

SU	SU22
PROC	PROC13
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

**Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,75
Lead substance	diacetone alcohol

## **Information on estimated exposure and downstream-user guidance**

### **Guidance for Downstream Users**

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.

## **Annex to the extended Safety Data Sheet (eSDS)**

### **Short title of the exposure scenario**

ES020 - Professional uses: roller application or brushing, dipping and pouring and other processing without aerosol formation (inside)

### **Use of the substance/preparation**

Surface treatment of wood and other materials

### **Use**

SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
------	--

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROCh01	Other processing without aerosol formation
PROC13	Treatment of articles by dipping and pouring
PROC10	Roller application or brushing

## **Contributing exposure scenario controlling environmental exposure**

### **Use**

ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix

### **Physical form**

liquid

### **Maximum amount used per time or activity**

Emission days per site: <= 250

### **Other relevant operational conditions**

Use: Room temperature  
Drying and through-curing takes place at ambient temperature or at higher temperatures.  
Curing takes place through UV light exposure (only with UV light curing systems ).  
Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter soil, waterways or waste water canal.  
Dispose of rinse water in accordance with local and national regulations.

### **Waste water**

Do not discharge into the drains/surface waters/groundwater.

### **Exhaust air**

Keep container closed. Avoid release to the environment.

### **Soil**

Floors should be impervious, resistant to liquids and easy to clean.

### **Disposal recommendations for the product**

Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter drains or waterways.

### **Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

## **Contributing exposure scenario controlling worker exposure (professional)**

### **Short title of the exposure scenario**

Substance number:CES040

### **Use**

SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROCh01	Other processing without aerosol formation
PROC10	Roller application or brushing
PROC13	Treatment of articles by dipping and pouring

### **Physical form**

liquid

### **Maximum amount used per time or activity**

Duration of exposure	<=	8	h/d
Frequency of exposure	<=	220	d/a

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

### Other relevant operational conditions

Use: Room temperature

Drying and through-curing takes place at ambient temperature or at higher temperatures.

Curing takes place through UV light exposure (only with UV light curing systems ).

Read attached instructions before use.

### Product substance and product safety related measures

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

### Respiratory protection

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.

Recommended Filter type: Respiratory protection mask with combination filter A/P2

### Hand protection

Glove material

Appropriate Material butyl-rubber

Material thickness  $\geq$  0,5

Breakthrough time  $\geq$  120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

### Body protection

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

### Exposure estimation and reference to its source

#### Workers (professional)

SU	SU22
PROC	PROC11
Assessment method	inhalative
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

#### Workers (professional)

SU	SU22
PROC	PROC13
Assessment method	inhalative
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

#### **Workers (professional)**

SU	SU22
PROC	PROC10
Assessment method	inhalative
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,75
Lead substance	diacetone alcohol

#### **Workers (professional)**

SU	SU22
PROC	PROC10
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

#### **Workers (professional)**

SU	SU22
PROC	PROC13
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	diacetone alcohol

#### **Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	dermal
	Long-term
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,75
Lead substance	diacetone alcohol

## **Information on estimated exposure and downstream-user guidance**

### **Guidance for Downstream Users**

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.

## **Annex to the extended Safety Data Sheet (eSDS)**

### **Short title of the exposure scenario**

ES040 - Private households (= general public = consumers): roller application or brushing, dipping and pouring, non industrial spraying and other processing without aerosol formation (inside)

### **Use of the substance/preparation**

Surface treatment of wood and other materials

### **Use**

SU21	Consumer uses: Private households (= general public = consumers)
ERC8a	Wide dispersive indoor use of processing aids in open systems

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix
PROCh01	Other processing without aerosol formation
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring

## **Contributing exposure scenario controlling environmental exposure**

### **Use**

ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8c	Wide dispersive indoor use resulting in inclusion into or onto a matrix

### **Physical form**

liquid

### **Maximum amount used per time or activity**

Emission days per site: <= 20 d

### **Other relevant operational conditions**

Use: Room temperature  
Adhere to the recommended processing temperature.  
Volatile organic substances will volatilise into the atmospheric air inside.  
Do not allow to enter soil, waterways or waste water canal.

### **Waste water**

Do not discharge into the drains/surface waters/groundwater.

### **Exhaust air**

No special measures required.

### **Soil**

Floors should be impervious, resistant to liquids and easy to clean. Protect floor with suitable covering plastic film / paper.

### **Disposal recommendations for the product**

Where possible recycling is preferred to disposal or incineration.  
Do not allow to enter drains or waterways.

### **Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

## **Contributing exposure scenario controlling consumer exposure**

### **Use**

SU21	Consumer uses: Private households (= general public = consumers)
PROCh01	Other processing without aerosol formation
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring

### **Physical form**

liquid

### **Maximum amount used per time or activity**

Duration of exposure <= 4 h/d  
Frequency of exposure <= 20 d/a

### **Other relevant operational conditions**

Use: Room temperature  
Drying and through-curing takes place at ambient temperature or at higher temperatures.  
Adhere to the recommended processing temperature.

Trade name: Hesse HYDRO Rustic stain PEX BN XX-FT

Version: 18 / UA

Revision: 28.11.2025

Replaces Version: 17 / UA

Print date: 02.12.25

Volatile organic substances will volatilise into the atmospheric air inside.

### **Product substance and product safety related measures**

Keep out of reach of children. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

Avoid inhalation of vapour and spray mist. Use breathing apparatus if exposed to vapours/dust/aerosol.

Recommended Filter type: Respiratory protection mask with combination filter A/P2

Glove material

Appropriate Material                      butyl-rubber

Material thickness                         $\geq$         0,5

Breakthrough time                         $\geq$         120

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

The breakthrough time must be greater than the end use time of the product.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Wear suitable protective clothing. Remove contaminated clothing and wash it before reuse. Wash hands before breaks and after work.

## **Information on estimated exposure and downstream-user guidance**

### **Guidance for Downstream Users**

The downstream user can evaluate whether he operates within the conditions set in the exposure scenario on the basis of the information supplied. This evaluation can be conducted by an expert or using the risk assessment tools recommended by ECHA.