

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

### 1.1. Product identifier

Hesse HYDRO Colour lacquer, matt PEX HB 6545X-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

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

#### Manufacturer

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

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

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

EUH208 Contains \*\*\* 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate, 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1), Adipohydrazide, May  
produce an allergic reaction.

### Supplemental information

EUH210

Safety data sheet available on request.

### 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 \*\*\*

#### 2-butoxyethanol

CAS No. 111-76-2

EINECS no. 203-905-0

Registration no. 01-2119475108-36

Concentration  $\geq 1$  < 10 %

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

Acute Tox. 4

H302

Route of exposure: Oral exposure

Eye Irrit. 2

H319

Skin Irrit. 2

H315

Acute Tox. 3

H331

ATE

Oral exposure

1.200

mg/kg

cATpE

Inhalation exposure, Dust/Mist

0,5

mg/l

#### Adipohydrazide

CAS No. 1071-93-8

EINECS no. 213-999-5

Registration no. 01-2119962900-36

Concentration  $\geq 0,1$  < 1 %

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

Aquatic Chronic 2

H411

Skin Sens. 1

H317

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

CAS No. 9014-85-1

EINECS no. 500-022-5

Registration no. 01-2119954393-33

Concentration  $\geq 0,1$  < 1 %

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

Eye Dam. 1

H318

Skin Sens. 1

H317

vPvM

EUH451

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

CAS No. 2634-33-5

EINECS no. 220-120-9

Registration no. 01-2120761540-60

Concentration < 0,036 %

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

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

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

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

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

## Further ingredients

### (2-methoxymethylethoxy)propanol

CAS No. 34590-94-8

EINECS no. 252-104-2

Registration no. 01-2119450011-60

Concentration  $\geq 1$   $< 10 \%$

Advice: [3]

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

Not classified.

## 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

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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**

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**

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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.

##### 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

-

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

###### 2-butoxyethanol

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	Acute effects	
Concentration	89	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	246	mg/m <sup>3</sup>
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	75	mg/kg/d
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	20	ppm
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Short-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	89	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	246	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1091	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Long-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	3,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Short-term	
Route of exposure	Oral exposure	
Mode of action	Systemic effects	
Concentration	13,4	mg/kg/d

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Type of value	Derived No Effect Level (DNEL)	
Reference group	Workers (professional)	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	123	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	Dermal exposure	
Mode of action	Acute effects	
Concentration	44,5	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	426	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	6,3	mg/kg

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	106,4	mg/m <sup>3</sup>

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	38	mg/kg

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	59	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	



Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Mode of action	Systemic effects	
Concentration	49	mg/m <sup>3</sup>
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	26,7	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short-term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	135	mg/m <sup>3</sup>
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	147	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short-term	
Route of exposure	Dermal exposure	
Mode of action	Systemic effects	
Concentration	89	mg/kg/d
<b>(2-methoxymethylethoxy)propanol</b>		
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	65	mg/kg/d
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	310	mg/m <sup>3</sup>
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	15	mg/kg/d



Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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	37,2	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	1,67	mg/kg/d

**2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate**

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	0,03	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	dermal	
Mode of action	Systemic effects	
Concentration	0,859	mg/kg/d

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	0,307	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,307	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	0,534	mg/m <sup>3</sup>

**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)	
---------------	--------------------------------	--

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Reference group	Workers (industrial)	
Duration of exposure	Long-term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,02	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	
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/m <sup>3</sup>
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/m <sup>3</sup>
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/m <sup>3</sup>
<b>1,2-benzisothiazol-3(2H)-one</b>		
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	
Concentration	6,81	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Mode of action	Systemic effects	
Concentration	0,966	mg/kg

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	1,2	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,345	mg/kg

#### Adipohydrazide

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	
Concentration	17,5	mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC) \*\*\*

##### 2-butoxyethanol

Type of value	PNEC	
Type	Freshwater	
Concentration	8,8	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,88	mg/l

Type of value	PNEC	
Type	saltwater sediment	
Concentration	3,46	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	463	mg/l

Type of value	PNEC	
Type	Soil	
Concentration	2,33	mg/kg

##### (2-methoxymethylethoxy)propanol

Type of value	PNEC	
Type	Freshwater	
Concentration	19	mg/l

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Type of value	PNEC	
Type	marine water	
Concentration	1,9	mg/l
Type of value	PNEC	
Conditions	sporadic release	
Concentration	190	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	4168	mg/l
Type of value	PNEC	
Type	Fresh water sediment	
Concentration	70,2	mg/kg
Type of value	PNEC	
Type	saltwater sediment	
Concentration	7,02	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	2,74	mg/kg

**2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate**

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6,8	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,029	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0,004	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,29	mg/kg
Type of value	PNEC	
Type	Freshwater	
Concentration	0,036	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,036	mg/kg

**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	PNEC
Type	Marine

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

**Adipohydrazide**

Type of value	PNEC	
Type	Freshwater	
Concentration	62	µg/l
Type of value	PNEC	

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Type	Saltwater	
Concentration	6,2	µg/l
Type of value	PNEC	
Conditions	sporadic release	
Concentration	92	µg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	,241	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,024	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,012	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1000	mg/l

## 8.2. Exposure controls

### Exposure controls

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	>= 0,5 mm
Breakthrough time	>= 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.

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	liquid
<b>Colour</b>	black
<b>Odour</b>	characteristic
<b>Melting point</b>	
Remarks	not determined
<b>Freezing point</b>	
Remarks	not determined
<b>Boiling point or initial boiling point and boiling range</b>	
Value	100 to 202 °C
<b>Flammability</b>	
not determined	
<b>Upper and lower explosive limits</b>	
Remarks	not determined
<b>Flash point</b>	
Value	> 60 °C
<b>Auto-ignition temperature</b>	
Remarks	not determined
<b>Decomposition temperature</b>	
Remarks	not determined
<b>pH value</b>	
Value	8
Concentration/H <sub>2</sub> O	100
Remarks	Not applicable
<b>Viscosity</b>	
Remarks	not determined
<b>Solubility(ies)</b>	
Remarks	not determined
<b>Partition coefficient n-octanol/water (log value)</b>	
Remarks	not determined
<b>Vapour pressure</b>	
Remarks	not determined
<b>Density and/or relative density</b>	
Value	appr. 1,058 kg/l
Temperature	20 °C
<b>Relative vapour density</b>	
Remarks	not determined
<b>Particle characteristics</b>	
Remarks	not determined

### 9.2. Other information



Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

#### Odour threshold

Remarks not determined

#### Solubility in water

Remarks not determined

#### Efflux time

Value 30 to 36 s  
Temperature 20 °C  
Method DIN 53211 - 6 mm

#### Explosive properties

evaluation not determined

#### Oxidising properties

Remarks not determined

#### Non-volatile content

Value 39 %  
Method calculated value

## 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

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

ATE > 10.000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)

#### Acute oral toxicity (Components)

##### 2-butoxyethanol

ATE 1200 mg/kg

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

Species rat  
LD50 450 mg/kg

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

### 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

ATE 10,2041 mg/l  
Administration/Form Dust/Mist  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

### Acute inhalative toxicity (Components)

#### 2-butoxyethanol

ATE 3 mg/l  
Duration of exposure 4 h  
Administration/Form Vapors  
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 0,05 mg/l

Duration of exposure 4 h  
Administration/Form Dust/Mist  
Method conversion value  
Remarks Mist

### 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)

#### 2-butoxyethanol

Species rabbit  
Duration of exposure 4 h  
Observation Period 28 d  
evaluation Irritating to skin and mucous membranes  
Method EEC 84/449, B.4

#### 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

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

### Serious eye damage/irritation (Components)

#### 2-butoxyethanol

Species	rabbit
Duration of exposure	24 h
Observation Period	21 d
evaluation	Eye irritation
Source	1 (reliable without restriction)

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

evaluation Irritating to eyes.

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

evaluation irritant - risk of serious damage to eyes

### Sensitization

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

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

Species	mouse
evaluation	May cause sensitization by skin contact.
Source	1 (reliable without restriction)

#### Adipohydrazide

evaluation sensitizing

### 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.

### 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.

### Aspiration hazard

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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)

##### 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	

##### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

Species	Danio rerio (zebra fish)		
LC50	42		mg/l
Duration of exposure	96	h	
Method	OECD 203		

#### Daphnia toxicity (Components)

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

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)

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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)

#### 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.
------------	----------------------------

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

Value	1	%
-------	---	---

Duration of test	28	d
------------------	----	---

evaluation	Not readily biodegradable.
------------	----------------------------

## 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
---------	----------------

### Octanol/water partition coefficient (log Pow) (Components)

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

log Pow	1,8	to	2,5
---------	-----	----	-----

Temperature	21	°C
-------------	----	----

Method	Regulation (EC) No. 440/2008, Annex, A.8
--------	--

#### Adipohydrazide

pOW	appr.
-----	-------

log Pow	-2,7
---------	------

Temperature	20	°C
-------------	----	----

### Bioconcentration factor (BCF) (Components)

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

BCF	17,0
-----	------

Species	carp (Cyprinus carpio)
---------	------------------------

## 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

### Mobility in soil (Components)

#### 2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate

Highly mobile in soils

## 12.5. Results of PBT and vPvB assessment

### General information

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

#### VOC

VOC (EU)                      appr.    3,3                      %                      36                      g/l

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

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

**2,4,7,9-tetramethyl-5-decyne-4,7-diol ethoxylate**

Entry No. 3 (\*)

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

**Adipohydrazide**

Entry No. 3 (\*)

75 (\*)

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

**SECTION 16: Other information**

**Hazard statements listed in Chapter 3**

EUH451	Can cause very long-lasting and diffuse contamination of water resources.
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.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
vPvM	Persistent, Mobile and Toxic or Very Persistent, Very Mobile properties, Category 2

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 guarantee certain properties.



Print date: 07.11.25

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
PROC7	Industrial spraying

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

**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  $\geq$  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 (industrial)**

SU	SU3
PROC	PROC7
Assessment method	inhalation, long-term - systemic
Exposure assessment	42 mg/m <sup>3</sup>
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,428571
Lead substance	2-butoxyethanol

**Workers (industrial)**

PROC	PROC7
Assessment method	dermal, long-term - systemic

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Exposure assessment	8,5714 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,068571
Lead substance	2-butoxyethanol

**Workers (industrial)**

PROC	PROC10
Assessment method	inhalation, long-term - systemic
Exposure assessment	55 mg/m <sup>3</sup>
Exposure assessment (method)	EASY TRA v3.5
Risk characterisation ratio (RCR)	0,561224
Lead substance	2-butoxyethanol

**Workers (industrial)**

PROC	PROC10
Assessment method	dermal, long-term - systemic
Exposure assessment	5,4857 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,043886
Lead substance	2-butoxyethanol

**Workers (industrial)**

PROC	PROC13
Assessment method	inhalation, long-term - systemic
Exposure assessment	49,2393 mg/m <sup>3</sup>
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,502441
Lead substance	2-butoxyethanol

**Workers (industrial)**

PROC	PROC13
Assessment method	dermal, long-term - systemic
Exposure assessment	2,7429 mg/kg/d
Exposure assessment (method)	EASY TRA v3.5
Risk characterisation ratio (RCR)	0,021943
Lead substance	2-butoxyethanol

## **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**

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

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

ERC8c  
PROC11

Wide dispersive indoor use resulting in inclusion into or onto a matrix  
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

### **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.

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

## 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	PROC10
Assessment method	inhalation, long-term - systemic
	Indoor use
Exposure assessment	36,9294 mg/m <sup>3</sup>
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,376831
Lead substance	2-butoxyethanol

### Workers (professional)

SU	SU22
PROC	PROC10
Assessment method	dermal, long-term - systemic
	Indoor use
Exposure assessment	5,4857 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,043887
Lead substance	2-butoxyethanol

### Workers (professional)

SU	SU22
PROC	PROC10

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

Assessment method	inhalation, long-term - systemic
	Outdoor use
Exposure assessment	51,7012 ppm
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,527563
Lead substance	2-butoxyethanol

**Workers (professional)**

SU	SU22
PROC	PROC10
Assessment method	dermal, long-term - systemic
	Outdoor use
Exposure assessment	3,2914 mg/kg/d
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,026331
Lead substance	2-butoxyethanol

**Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	inhalation, long-term - systemic
	Indoor use
Exposure assessment	62 mg/m³
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,632653
Lead substance	2-butoxyethanol

**Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	dermal, long-term - systemic
	Indoor use
Exposure assessment	12,8571 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,632653
Lead substance	2-butoxyethanol

**Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	inhalation, long-term - systemic
	Outdoor use
Exposure assessment	10 ppm
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,5
Lead substance	2-butoxyethanol

**Workers (professional)**

SU	SU22
PROC	PROC11
Assessment method	dermal, long-term - systemic
	Outdoor use
Exposure assessment	21 mg/kg/d
Exposure assessment (method)	ECETOC TRA
Risk characterisation ratio (RCR)	0,286
Lead substance	2-butoxyethanol

Trade name: Hesse HYDRO Colour lacquer, matt PEX HB 6545X-FT

Version: 17 / WORLD

Revision: 22.10.2025

Replaces Version: 16 / WORLD

Print date: 07.11.25

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

SU	SU22
PROC	PROC13
Assessment method	inhalation, long-term - systemic
	Indoor use
Exposure assessment	49,2393 mg/m <sup>3</sup>
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,502441
Lead substance	2-butoxyethanol

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

SU	SU22
PROC	PROC13
Assessment method	dermal, long-term - systemic
	Indoor use
Exposure assessment	2,7429 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,021943
Lead substance	2-butoxyethanol

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

SU	SU22
PROC	PROC13
Assessment method	inhalation, long-term - systemic
	Outdoor use
Exposure assessment	7 ppm
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,35
Lead substance	2-butoxyethanol

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

SU	SU22
PROC	PROC13
Assessment method	dermal, long-term - systemic
	Outdoor use
Exposure assessment	14 mg/kg/d
Exposure assessment (method)	ESIG GES tool
Risk characterisation ratio (RCR)	0,183
Lead substance	2-butoxyethanol

## **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.