

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** Deeply-Penetrating Primer - solvent free  
(Hydrosol Tiefgrund LF)  
**Revision date :** 24.03.2025  
**Print date :** 24.03.2025

**Version (Revision) :** 6.2.0 (6.1.0)  
**Article number :** 0064\_\_000

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

#### 1.1 Product identifier

Deeply-Penetrating Primer - solvent free  
(Hydrosol Tiefgrund LF) (0064\_\_000)

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

##### Relevant identified uses

###### Sectors of use [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU21 - Consumer uses: Private households (= general public = consumers)

###### Products Category [PC]

PC 9a - Coatings and paints, thinners, paint removers

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

##### Supplier

PUFAS Werk KG

**Street :** Im Schedetal 1

**Postal code/City :** 34346 Hann. Münden

**Telephone :** +49 (0)5541 7003-01

**Telefax :** +49 (0)5541 7003-50

**Information contact :** sds@pufas.de

**Homepage:** www.pufas.com

#### 1.4 Emergency telephone number

+49 (0)5541 7003-64/-41  
Only available during office hours (Mo-Th 8 - 16 h, Fr 8 - 12.30 h).

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 [CLP]

None

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

###### Special rules for supplemental label elements for certain mixtures

EUH208 Contains OCTHILINONE (ISO) ; MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

#### 2.3 Other hazards

This mixture does not knowingly contain SVHC substances >0.1% (<https://echa.europa.eu/de/candidate-list-table>).

##### Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

##### Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Description

Consists of: Styrene-acrylic-dispersion, water, preservative and additives

##### Hazardous ingredients

MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ;  
REACH No. : 01-2120764691-48 ; CAS No. : 55965-84-9

Weight fraction :  $\geq 0,001$  -  $< 0,0015$  %

Classification 1272/2008 [CLP] : Acute Tox. 2 ; H310 Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Skin Corr. 1C ; H314  
Eye Dam. 1 ; H318 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ;  
H410

Specific Conc. Limits : Eye Dam. 1 ; H318:  $C \geq 0,6$  % • Skin Corr. 1C ; H314:  $C \geq 0,6$  % • Eye Irrit. 2 ;  
H319:  $C \geq 0,06$  % • Skin Irrit. 2 ; H315:  $C \geq 0,06$  % • Skin Sens. 1A ; H317:  $C \geq$   
 $0,0015$  % • (M=100)

##### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Follow the instructions for use on the label. When in doubt or if symptoms are observed, get medical advice. Change contaminated, saturated clothing.

##### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

##### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### Following ingestion

Rinse mouth immediately and drink plenty of water. Call a physician in any case!

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

None

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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

##### Hazardous combustion products

No information available.

#### 5.3 Advice for firefighters

##### Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use suitable breathing apparatus.

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### SECTION 6: Accidental release measures

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

No particular measures required.

#### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

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

##### For containment

Soak up inert absorbent and dispose as waste requiring special attention. Do not dry up the product.

#### 6.4 Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Protective measures

Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

##### Measures to prevent fire

No special measures are necessary.

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

##### Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed.

##### Hints on joint storage

No special measures are necessary.

**Storage class (TRGS 510) :** 12

##### Further information on storage conditions

Do not store outside. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Please note safety instructions and directions for use on the drum.

**Do not store at temperatures below :** Avoid cooling to under 0°C.

#### 7.3 Specific end use(s)

##### Recommendation

Observe technical data sheet.

##### Industrial sector specific solutions

**GISCODE :** GISCODE für Beschichtungsstoffe: BSW20

**Product identifier :** GISBAU - Produkt-Code für Farben und Lacke: M-GF01

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational exposure limit values

MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ;  
CAS No. : 55965-84-9

Limit value type (country of origin) : AGW ( D )

Limit value : 0,2 mg/m<sup>3</sup>

Version : 02.07.2009

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### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

**Suitable eye protection**  
goggles

##### Skin protection

###### Hand protection

**By long-term hand contact :** rubber gloves. PVC (polyvinyl chloride)

###### Body protection

Wearing of closed working clothes. Remove contaminated, saturated clothing.

##### Respiratory protection

###### Suitable respiratory protection apparatus

Usually no personal respirative protection necessary.

#### General information

The usual precautionary measures for the handling of chemicals have to be observed. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

#### Environmental exposure controls

See also section 6 and 12.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Liquid

**Colour :** opaque

#### Odour

characteristic

#### Safety characteristics

<b>Melting point/freezing point :</b>	( 1013 hPa )	approx.	0	°C	
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	approx.	100	°C	
<b>Flash point :</b>			none		Brookfield
<b>Auto-ignition temperature :</b>			none		
<b>Lower explosion limit :</b>			not relevant		
<b>Upper explosion limit :</b>			not relevant		
<b>Vapour pressure :</b>	( 50 °C )	approx.	123,5	hPa	
<b>Density :</b>	( 20 °C )	approx.	1	g/cm <sup>3</sup>	
<b>Solvent separation test :</b>	( 20 °C )		none		
<b>Water solubility :</b>	( 20 °C )		dispersable		
<b>pH :</b>			8 - 9		
<b>Flow time :</b>	( 23 °C )		not relevant		ISO cup 6 mm
<b>Viscosity :</b>	( 20 °C )		not determined		
<b>Cinematic viscosity :</b>	( 40 °C )		not relevant		
<b>VOC-value :</b>		<	0,5	g/l	

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

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### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

None, if handled according to order.

### 10.6 Hazardous decomposition products

None, if handled according to order.

## SECTION 11: Toxicological information

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

#### Acute toxicity

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

##### Acute oral toxicity

Parameter : LD50 ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Oral

Species : Rat

Effective dose : 64 mg/kg

Parameter : ATE ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Oral

Effective dose : 100 mg/kg

The calculated ATE<sub>mix</sub> value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

##### Acute dermal toxicity

Parameter : LD50 ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Dermal

Species : Rabbit

Effective dose : 92,4 mg/kg

Parameter : ATE ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Dermal

Effective dose : 300 mg/kg

The calculated ATE<sub>mix</sub> value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

##### Acute inhalation toxicity

Parameter : ATE ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Inhalation (vapour)

Effective dose : 0,5 mg/l

Parameter : LC50 ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )

Exposure route : Inhalation (dust/mist)

Species : Rat

Effective dose : 0,171 mg/l

Method : OECD 403

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**Parameter :** ATE ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )  
**Exposure route :** Inhalation (vapour)  
**Effective dose :** 3 mg/l  
The calculated ATEmix value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

### Corrosion

#### Skin corrosion/irritation

No information available.

#### Practical experience/human evidence

slightly irritant but not relevant for classification.

#### Serious eye damage/eye irritation

No information available.

### Respiratory or skin sensitisation

No information available.

Note for allergy sufferers:

This product contains as a protective agent against microbial deterioration (e.g. mold) during storage in the container in small amounts preservatives (Isothiazolinones). This can cause allergies, see also chapter 2.

### Repeated dose toxicity (subacute, subchronic, chronic)

No data available

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

No information available.

#### Germ cell mutagenicity

No information available.

#### Reproductive toxicity

No information available.

### STOT-single exposure

No information available.

### STOT-repeated exposure

No information available.

### Aspiration hazard

No information available.

## 11.2 Information on other hazards

### Endocrine disrupting properties

For possible endocrine disrupting effects in humans and possible symptoms, please refer to SECTION 2.3 of this safety data sheet.

### Additional information

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

#### Aquatic toxicity

No information available.

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### Acute (short-term) toxicity to algae and cyanobacteria

**Parameter :** ErC50 ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )  
**Species :** Skeletonema costatum  
**Effective dose :** 0,0052 mg/l  
**Exposure time :** 72 hour(s)  
**Method :** OECD 201

### Toxicity to microorganisms

**Parameter :** EC50 ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )  
**Species :** bacteria  
**Evaluation parameter :** activated sludge  
**Effective dose :** 7,92 mg/l  
**Exposure time :** 3 hour(s)  
**Method :** OECD 209

### Sewage treatment plant

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

**Parameter :** Bioconcentration factor (BCF) ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )  
**Value :** 3,6  
**Parameter :** Partition coefficient n-octanol/water (log value) ( MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9 )  
**Value :** -0,71 - -0,75

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7 Other adverse effects

No information available.

### 12.8 Additional ecotoxicological information

#### Additional information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

Dispose according to legislation. Or deposit together with household garbage after hardening. Handle contaminated packages in the same way as the substance itself.

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### After intended use

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product :

08 01 12

##### Waste name product :

waste paint and varnish other than those mentioned in 08 01 11

##### Waste code packaging :

15 01 02

##### Waste name packaging :

plastic packaging

## SECTION 14: Transport information

### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

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

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Other regulations (EU)

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

- EU limit value for this product (cat. A/h, WB): 30 g/l (2010)
- This product contains max 0,5 g/l VOC

##### Labelling for contents according to regulation (EC) No. 648/2004

- this product is not subject to EC Detergent regulation no. 648/2004.

#### National regulations

##### Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### 15.3 Additional information

None



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### SECTION 16: Other information

#### 16.1 Indication of changes

08. Occupational exposure limit values

#### 16.2 Abbreviations and acronyms

REACH Registration, evaluation, authorisation of chemicals  
CLP Classification, labelling and packaging  
CAS Chemical Abstracts Service  
EINECS European Inventory of Existing Chemical Substances  
ELINCS European List of Notified Chemical Substances.  
ATE Acute toxicity estimates  
LD50 Lethal dose, 50 percent  
LC50 Lethal concentration, 50 percent  
ECxx Effect concentration, xx percent  
NOEC No Observed Effect Concentration  
PBT Persistent, bioaccumulating and toxic  
vPvB very persistent and very bioaccumulative  
STOT Specific target organ toxicity  
ADR European agreement concerning the international carriage of dangerous goods by road  
IMDG International maritime dangerous goods code  
IATA International air transport association  
IMO International maritime organisation declaration

#### 16.3 Key literature references and sources for data

None

#### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

#### 16.5 Relevant H- and EUH-phrases (Number and full text)

H301 Toxic if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

#### 16.6 Training advice

None

#### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.