

# Safety Data Sheet

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



Trade name : Anti-Mould Concentrate  
(Anti-Schimmel Konzentrat AF)  
Article number : 0056\_\_000      Version (Revision) : 4.1.0 (4.0.0)  
Revision date : 04.06.2015      Print date : 25.02.2020

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

### 1.1 Product identifier

Anti-Mould Concentrate  
(Anti-Schimmel Konzentrat AF) (0056\_\_000)

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

#### Relevant identified uses

##### Products Category [PC]

PC8 - PC 8 - Biocidal product

##### Sectors of use [SU]

SU21 - Consumer uses: Private households (= general public = consumers)

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

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

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 :

E-mail (competent person) : [sds@pufas.de](mailto:sds@pufas.de)

Website : [www.pufas.de](http://www.pufas.de)

### 1.4 Emergency telephone number

+49 (0)5541 7003-41/-64

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]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through prolonged or repeated exposure.

### 2.2 Label elements

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

##### Hazard pictograms



Health hazard (GHS08) · Exclamation mark (GHS07)

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## Signal word

Warning

## Hazard components for labelling

2,2'-OXYBISETHANOL ; CAS No. : 111-46-6  
OCTHILINONE (ISO) ; CAS No. : 26530-20-1

## Hazard statements

H373 May cause damage to kidneys through prolonged or repeated exposure if swallowed.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

## Precautionary statements

P102 Keep out of reach of children.  
P280 Wear protective gloves/eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P271 Use only outdoors or in a well-ventilated area.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P101 If medical advice is needed, have product container or label at hand.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national regulations of waste disposal.

## 2.3 Other hazards

This mixture does not contain any substances classified as PBT/vPvB or included in the SVHC-Candidate List.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

Consists of: Derivative of isothiazoles, additives and solvent

#### Hazardous ingredients

2,2'-OXYBISETHANOL ; REACH No. : 01-2119457857-21 ; EC No. : 203-872-2; CAS No. : 111-46-6

Weight fraction :  $\geq 90 - < 100$  %  
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Acute Tox. 4 ; H302

OCTHILINONE (ISO) ; EC No. : 247-761-7; CAS No. : 26530-20-1

Weight fraction :  $\geq 2 - < 2,5$  %  
Classification 1272/2008 [CLP] : Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

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

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## 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

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

## After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician in any case!

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

There are no more informations available on the mixture itself.

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

There are no more informations available on the mixture itself.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Foam

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

#### Hazardous combustion products

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>) Carbon monoxide Sulphur dioxide (SO<sub>2</sub>)

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

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

### 5.4 Additional information

Cool endangered containers with water in case of fire. Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

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

The usual precautionary measures for the handling of chemicals have to be observed.

### 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

Normal precautions taken when handling chemicals should be observed. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

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### 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.

#### 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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

None

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

###### Suitable eye protection

goggles

##### Skin protection

###### Hand protection

Chemical protective gloves according to DIN EN 374 with CE marking.

Check protective gloves prior to each use for damage (cracks, holes, cuts). Do not wear protective gloves longer than necessary.

After use of protective gloves, use skin cleansing and skin care products.

**By long-term hand contact :** siehe unten Gloves(tested for example according to EN374) made of the following materials used by hand contact with the product:

Butyl rubber

Thickness of the gloves: > 0.5 mm

Breakthrough time: >= 8h, wearing period: max: 8h

or

Polychloroprene

Thickness of the gloves:> 0.5 mm

Breakthrough time: 4 - 8 hours, wearing period: max: 4h

After washing hands replace lost skin fat by fat containing skin creams.

**Suitable material :** NBR (Nitrile rubber)

**Breakthrough time (maximum wearing time) :** 480 min

**Thickness of the glove material :** 0,4 mm

###### Body protection

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

##### Respiratory protection

###### Suitable respiratory protection apparatus

Usually no personal respiratory 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.

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## 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 : yellow

#### Odour

characteristic

#### Safety characteristics

Melting point/freezing point :	( 1013 hPa )	-8,5	°C	
Initial boiling point and boiling range :	( 1013 hPa )	245	°C	
Flash point :		140	°C	Brookfield
Auto-ignition temperature :		225	°C	
Lower explosion limit :		1,8	Vol-%	
Upper explosion limit :		12,2	Vol-%	
Vapour pressure :	( 50 °C )	No data available		
Density :	( 20 °C )	approx.	1,1	g/cm <sup>3</sup>
Solvent separation test :	( 20 °C )		not applicable	
Water solubility :	( 20 °C )		miscible	
pH :			not applicable	
Flow time :	( 23 °C )	<	20	s      ISO cup 6 mm
VOC-value :		<	1	g/l

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 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 toxicological effects

#### Acute toxicity

Harmful if swallowed.

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## Acute oral toxicity

Parameter : LD50 ( OCTHILINONE (ISO) ; CAS No. : 26530-20-1 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 500 mg/kg

## Acute dermal toxicity

Parameter : LD50 ( OCTHILINONE (ISO) ; CAS No. : 26530-20-1 )  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 900 mg/kg

## Acute inhalation toxicity

Parameter : LC50 ( OCTHILINONE (ISO) ; CAS No. : 26530-20-1 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 0,27 mg/l  
Exposure time : 4 h

## Specific effects (Longterm animal experiment)

No data available

## Corrosion

Causes skin irritation. Causes serious eye irritation.

## Respiratory or skin sensitisation

May cause an allergic skin reaction.

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

No data available

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

### Carcinogenicity

No data available

### Germ cell mutagenicity

No data available

### Reproductive toxicity

No data available

## STOT-single exposure

No data available

## STOT-repeated exposure

No data available

## Aspiration hazard

No data available

## 11.5 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

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

Parameter : EC50 ( OCTHILINONE (ISO) ; CAS No. : 26530-20-1 )  
Species : Daphnia  
Effective dose : 0,42 mg/l  
Exposure time : 48 h

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## Effects in sewage plants

No information available.

## 12.2 Persistence and degradability

No information available.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## Adsorption

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

### Additional information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

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

##### Waste code product

07 04 04

##### Waste name

other organic solvents, washing liquids and mother liquors

##### Waste code packaging

15 01 02

##### Waste name

plastic packaging

## SECTION 14: Transport information

### 14.1 UN 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 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

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### SECTION 15: Regulatory information

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

##### EU legislation

##### Other regulations (EU)

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

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

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

- out of scope

##### Regulation (EU) No. 528/2012 on biocides

- Concentrate for products during storage, film preservation and construction material preservation (25-32 ml/l water-based product), Main Group 2, Product-type 6, 7 and 10

- 100g contents: 2,49g 2-Octyl-2H-isothiazol-3-one

--Labelling of any advertising material:

-Use biocides safely. Always read the label and product information before use.-

This labelling also applies to products, which don't have to be labeled according CLP regulation (EU/1272/2008).

#### 15.2 Chemical safety assessment

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

#### 15.3 Additional information

None

### SECTION 16: Other information

#### 16.1 Indication of changes

08. Personal protection equipment · 11. Toxicological information

#### 16.2 Abbreviations and acronyms

None

#### 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]

No information available.

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

H302	Harmful if swallowed.
H311+H331	Toxic in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### 16.6 Training advice

None

#### 16.7 Additional information

None



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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.

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