

# Safety Data Sheet

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



**Trade name :** White Insulating Paint IW20  
(Isolierweiß IW20)  
**Article number :** 0130\_\_000  
**Revision date :** 22.07.2020  
**Version (Revision) :** 6.0.0 (5.0.0)  
**Print date :** 22.07.2020

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

### 1.1 Product identifier

White Insulating Paint IW20  
(Isolierweiß IW20) (0130\_\_000)

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

#### Relevant identified uses

##### Products Category [PC]

PC9a - Coatings and paints, thinners, paint removers

##### 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 4 ; H413 - Hazardous to the aquatic environment : Chronic 4 ; May cause long lasting harmful effects to aquatic life.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

### 2.2 Label elements

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

##### Hazard pictograms



Flame (GHS02)

##### Signal word

Warning

##### Hazard components for labelling

HYDROCARBONS C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED ;

CAS No. : 93685-81-5

HYDROCARBONS C10-C12, ISOALKANES, < 2% AROMATICS

# Safety Data Sheet

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



**Trade name :** White Insulating Paint IW20  
(Isolierweiß IW20)  
**Article number :** 0130\_\_000  
**Revision date :** 22.07.2020  
**Version (Revision) :** 6.0.0 (5.0.0)  
**Print date :** 22.07.2020

### Hazard statements

H226 Flammable liquid and vapour.  
H413 May cause long lasting harmful effects to aquatic life.

### Precautionary statements

P102 Keep out of reach of children.  
P261 Avoid breathing vapours/spray.  
P280 Wear protective gloves/eye protection.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P101 If medical advice is needed, have product container or label at hand.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local/regional/national regulations of waste disposal.

### Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

### 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: Acrylic resin, extenders, titan dioxide, solvent and additives

#### Hazardous ingredients

HYDROCARBONS C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED ; REACH No. : 01-2119490725-29 ; EC No. : 297-629-8; CAS No. : 93685-81-5

Weight fraction :  $\geq 10 - < 25$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304

HYDROCARBONS C10-C12, ISOALKANES, < 2% AROMATICS ; REACH No. : 01-2119471991-29 ; EC No. : 923-037-2

Weight fraction :  $\geq 10 - < 25$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Aquatic Chronic 4 ; H413

HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS ; REACH No. : 01-2119472146-39 ; EC No. : 918-167-1

Weight fraction :  $\geq 2,5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Aquatic Chronic 4 ; H413

SALT OF POLYAMINEAMIDE

Weight fraction :  $\geq 1 - < 2,5$  %  
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315

#### Additional information

None

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

# Safety Data Sheet

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



Trade name :	White Insulating Paint IW20 (Isolierweiß IW20)	Version (Revision) :	6.0.0 (5.0.0)
Article number :	0130__000	Print date :	22.07.2020
Revision date :	22.07.2020		

## 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.

#### 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.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting. 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

Water mist alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) Extinguishing powder

#### Unsuitable extinguishing media

Full water jet Strong water jet

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

None

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

Do not inhale explosion and combustion gases. In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

Use water spray jet to protect personnel and to cool endangered containers.

## 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. Provide adequate ventilation. Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.

### 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

# Safety Data Sheet

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



Trade name :	White Insulating Paint IW20 (Isolierweiß IW20)	Version (Revision) :	6.0.0 (5.0.0)
Article number :	0130__000	Print date :	22.07.2020
Revision date :	22.07.2020		

### 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.

#### Measures to prevent fire

Only use the material in places where open light, fire and other flammable sources can be kept away. Provide adequate ventilation as well as local exhaust at critical locations. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

### 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.

**Recommended storage temperature :** Store it separately from foods.

### 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

Gloves(tested for example according to EN374) made of the following materials used by hand contact with the product:

Nitrile rubber (NBR)

Thickness of the gloves: > 0.4 mm

Breakthrough time: >= 8h

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

###### Body protection

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

##### Respiratory protection

###### Suitable respiratory protection apparatus

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

# Safety Data Sheet

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



Trade name : White Insulating Paint IW20  
(Isolierweiß IW20)  
Article number : 0130\_\_000      Version (Revision) : 6.0.0 (5.0.0)  
Revision date : 22.07.2020      Print date : 22.07.2020

## 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: viscous

Colour : white

#### Odour

characteristic

#### Safety characteristics

Melting point/freezing point :	( 1013 hPa )		not applicable	
Initial boiling point and boiling range :	( 1013 hPa )	>=	150	°C
Flash point :			43	°C Brookfield
Auto-ignition temperature :		>	200	°C
Lower explosion limit :			0,6	Vol-%
Upper explosion limit :			7	Vol-%
Vapour pressure :	( 50 °C )		No data available	
Density :	( 20 °C )	approx.	1,2	g/cm <sup>3</sup>
Solvent separation test :	( 20 °C )	<	3	%
Flow time :	( 20 °C )	>	90	s DIN-cup 4 mm
Solvent content :			28	Wt %
VOC-value :			350	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

Gases/vapours, flammable

# Safety Data Sheet

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



**Trade name :** White Insulating Paint IW20  
(Isolierweiß IW20)  
**Article number :** 0130\_\_000  
**Revision date :** 22.07.2020  
**Version (Revision) :** 6.0.0 (5.0.0)  
**Print date :** 22.07.2020

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

No data available

##### Acute oral toxicity

Parameter : LD50 ( HYDROCARBONS C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED ; CAS No. : 93685-81-5 )

Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg

Parameter : LD50 ( HYDROCARBONS C10-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg

Parameter : LD50 ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Oral  
Species : Rat  
Effective dose : > 10000 mg/kg

##### Practical experience/human evidence

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

##### Acute dermal toxicity

Parameter : LD50 ( HYDROCARBONS C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED ; CAS No. : 93685-81-5 )

Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg

Parameter : LD50 ( HYDROCARBONS C10-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg

Parameter : LD50 ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 3000 mg/kg

##### Acute inhalation toxicity

Parameter : LC50 ( HYDROCARBONS C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED ; CAS No. : 93685-81-5 )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Exposure time : 8 h

Parameter : LC50 ( HYDROCARBONS C10-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 5000 mg/m<sup>3</sup>  
Exposure time : 8 h

Parameter : LC50 ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 6,6 mg/l  
Exposure time : 4 h

##### Corrosion

No data available

# Safety Data Sheet

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



**Trade name :** White Insulating Paint IW20  
(Isolierweiß IW20)  
**Article number :** 0130\_\_000  
**Revision date :** 22.07.2020  
**Version (Revision) :** 6.0.0 (5.0.0)  
**Print date :** 22.07.2020

## Skin corrosion/irritation

**Parameter :** Skin corrosion/irritation ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )  
**Result :** irritation of the skin

## Serious eye damage/eye irritation

**Parameter :** Serious eye damage/eye irritation ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )  
**Result :** irritates

## Respiratory or skin sensitisation

No data available

## 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

Harmful: may cause lung damage if swallowed.

## 11.5 Additional information

The liquid slightly irritates the skin, vapours in higher concentration irritate eyes and respiration.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

#### Aquatic toxicity

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

**Parameter :** EC50 ( HYDROCARBONS, C11-C12, ISOALKANES, < 2% AROMATICS )  
**Species :** Daphnia  
**Evaluation parameter :** (Amphipoda)  
**Effective dose :** > 100 mg/l  
**Exposure time :** 96 h

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

No information available.

# Safety Data Sheet

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



Trade name : White Insulating Paint IW20  
(Isolierweiß IW20)  
Article number : 0130\_\_000      Version (Revision) : 6.0.0 (5.0.0)  
Revision date : 22.07.2020      Print date : 22.07.2020

## 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

Not used:

08 01 11

Drying up:

08 01 12

##### Waste name

Not used:

waste paint and varnish containing organic solvents or other dangerous substances

Drying up:

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

##### Waste code packaging

15 01 04

##### Waste name

metallic packaging

## SECTION 14: Transport information

### 14.1 UN number

UN 1263

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

PAINT

#### Sea transport (IMDG)

PAINT

#### Air transport (ICAO-TI / IATA-DGR)

PAINT

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 3

Classification code : F1

Hazard identification number (Kemler No.) : 30

Tunnel restriction code : D/E

Special provisions : LQ 5 I · E 1 · Transport in containers with max. 450 litres contents are not subject to the regulations of ADR/RID.

Hazard label(s) : 3

#### Sea transport (IMDG)

Class(es) : 3

EmS-No. : F-E / S-E

Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)

Hazard label(s) : 3



# Safety Data Sheet

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



Trade name : White Insulating Paint IW20  
(Isolierweiß IW20)  
Article number : 0130\_\_000      Version (Revision) : 6.0.0 (5.0.0)  
Revision date : 22.07.2020      Print date : 22.07.2020

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3  
Special provisions : E 1  
Hazard label(s) : 3

#### 14.4 Packing group

III

#### 14.5 Environmental hazards

Land transport (ADR/RID) : No  
Sea transport (IMDG) : No  
Air transport (ICAO-TI / IATA-DGR) : No

#### 14.6 Special precautions for user

None

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

not applicable

#### 14.8 Additional information

This product is not subject to the ADR, Class 3, see ADR, Chapter 2.2.3.1.5.

### 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/CE) - Classification:  
- EU limit value for this product (cat. A/g, SB): 350 g/l (2010)  
- This product contains max 350 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.

#### 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

02. Label elements · 03. Hazardous ingredients

#### 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)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H413	May cause long lasting harmful effects to aquatic life.

# Safety Data Sheet

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



<b>Trade name :</b>	White Insulating Paint IW20 (Isolierweiß IW20)	<b>Version (Revision) :</b>	6.0.0 (5.0.0)
<b>Article number :</b>	0130__000	<b>Print date :</b>	22.07.2020
<b>Revision date :</b>	22.07.2020		

---

### 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.

---