

## Safety Data Sheet

according to UK REACH Regulation

### Pronova Hochtemperatursilikon

Revision date: 23.04.2021

Product code: 19003045460006P

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

### 1.1. Product identifier

Pronova Hochtemperatursilikon

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

#### Use of the substance/mixture

silicone sealant, acetoxo

#### Uses advised against

None, use in accordance with instructions.

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

Company name:	Pronova Dichtstoffe GmbH & Co. KG		
Street:	Rudolf-Diesel-Straße 12		
Place:	D-55543 Bad Kreuznach		
Telephone:	+49 671 920015-0	Telefax: +49 671 920015-5020	
e-mail:	info@pronova-dichtstoffe.de		
Contact person:	Abteilung Regulatory Affairs	Telephone: +49 671 870-310	
e-mail:	info@pronova-dichtstoffe.de		
Internet:	www.pronova-dichtstoffe.de		

### 1.4. Emergency telephone number:

00 800 63333782 Mon.–Fri. 7.30 a.m. – 8.00 p.m., Sat. 9.00 a.m. – 8.00 p.m.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

#### GB CLP Regulation

#### Precautionary statements

P102 Keep out of reach of children.

#### Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
17689-77-9	Triacetoxylethylsilane			1-<3 %
	241-677-4		01-2119688178-15	
	Acute Tox. 4, Skin Corr. 1B; H302 H314			

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
17689-77-9	241-677-4	Triacetoxethylsilane	1-<3 %
		oral: LD50 = 1460 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

Provide fresh air. Remove casualty to fresh air and keep warm and at rest.

#### After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. Do not wash with: Solvents/Thinner In case of skin irritation, consult a physician.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. 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

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

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

No known symptoms to date.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water spray jet, Extinguishing powder, alcohol resistant foam., Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Full water jet

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

Non-flammable. Acetic acid

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. Do not allow run-off from fire-fighting to enter drains or water courses. Self-contained respirator (breathing apparatus)

#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

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#### General measures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid contact with skin. Avoid contact with eyes. Do not breathe gas/fumes/vapour/spray. Special danger of slipping by leaking/spilling product.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Take up mechanically, placing in appropriate containers for disposal.

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

##### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Do not rinse down with water. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

Remove all sources of ignition.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

none

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Keep away from sources of ignition - No smoking.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Do not store in corridors and stairways.

Keep/Store only in original container.

#### Hints on joint storage

Keep away from incompatible substances (no. 10).

#### Further information on storage conditions

Provide adequate ventilation. Take precautionary measures against static discharges.

### 7.3. Specific end use(s)

Adhesives, sealants

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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#### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
17689-77-9	Triacetoxyethylsilane		
Consumer DNEL, acute	inhalation	local	65 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	10,8 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	32,5 mg/m <sup>3</sup>

#### PNEC values

CAS No	Substance	
Environmental compartment	Value	
17689-77-9	Triacetoxyethylsilane	
Freshwater	0,2 mg/l	
Marine water	0,02 mg/l	
Freshwater sediment	0,16 mg/kg	
Marine sediment	0,016 mg/kg	
Micro-organisms in sewage treatment plants (STP)	1 mg/l	
Soil	0,031 mg/kg	

#### Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

#### 8.2. Exposure controls

##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking.

##### Eye/face protection

Suitable eye protection: goggles. Use tightly fitting safety glasses.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Suitable gloves type FKM (fluoro rubber)  
 Required properties: 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.

##### Skin protection

Wear suitable protective clothing. Only wear fitting, comfortable and clean protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Breathing filter in case of higher concentrations. Suitable respiratory protection apparatus: respiratory protection filter A (EN14387) color code brown

## SECTION 9: Physical and chemical properties

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

Physical state: Paste

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Colour: see color on the packaging label  
Odour: vinegary stinging  
pH-Value: na

**Changes in the physical state**

Melting point/freezing point: not determined  
Boiling point or initial boiling point and boiling range: not determined  
Sublimation point: not applicable  
Softening point: not applicable  
Pour point: not applicable  
Flash point: na  
Sustaining combustion: No data available

**Flammability**

Solid/liquid: not applicable  
Gas: not applicable  
Lower explosion limits: not applicable  
Upper explosion limits: not applicable  
Auto-ignition temperature: not determined

**Self-ignition temperature**

Solid: not applicable  
Gas: not applicable  
Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.  
Vapour pressure: not applicable  
Density: 1,21 g/cm<sup>3</sup>  
Bulk density: not applicable  
Water solubility: not applicable

**Solubility in other solvents**

not determined  
Partition coefficient n-octanol/water: not determined  
Viscosity / dynamic: 800000 mPa·s  
Viscosity / kinematic: na  
Flow time: na  
Relative vapour density: not determined  
Evaporation rate: not determined  
Solvent separation test: <3%

**9.2. Other information**

Solid content: not determined  
none

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

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No information available.

#### **10.3. Possibility of hazardous reactions**

Reacts with : Water basic substances Alcohols Response: Formation of: Acetic acid

#### **10.4. Conditions to avoid**

Protect from moisture.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

Hydrolysis: Acetic acid

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Toxicokinetics, metabolism and distribution**

The product has not been tested. With correct application no health hazards are known.

##### **Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
17689-77-9	Triacetoxylethylsilane				
	oral	LD50 mg/kg	1460	Rat	

##### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.  
Serious eye damage/eye irritation: non-irritant. Expert assessment

##### **Sensitising effects**

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

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

##### **STOT-single exposure**

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

##### **STOT-repeated exposure**

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

##### **Aspiration hazard**

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

##### **Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

### SECTION 12: Ecological information

#### **12.1. Toxicity**

Aquatic toxicity: Silicone component: not bio-degradable. According to knowledge so far, no fish toxicity can be expected.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
17689-77-9	Triacetoxyethylsilane					
	Acute fish toxicity	LC50	251 mg/l	96 h	Danio rerio (zebrafish)	
	Acute algae toxicity	ErC50	73 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	62 mg/l	48 h	Daphnia magna (Big water flea)	

#### 12.2. Persistence and degradability

No information available.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
17689-77-9	Triacetoxyethylsilane				
	Regulation (EC)440/2008 C.4-A	74	60		

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### 12.4. Mobility in soil

The product has not been tested. Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

#### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

#### 12.7. Other adverse effects

No information available.

#### **Further information**

Avoid release to the environment. none

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

##### **List of Wastes Code - residues/unused products**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

##### **List of Wastes Code - contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

##### **Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

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<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>Inland waterways transport (ADN)</b>	
<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>Marine transport (IMDG)</b>	
<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>Air transport (ICAO-TI/IATA-DGR)</b>	
<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.
<b>14.5. Environmental hazards</b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b>14.6. Special precautions for user</b>	
No dangerous good in sense of this transport regulation.	
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	
No dangerous good in sense of this transport regulation.	

## SECTION 15: Regulatory information

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

#### EU regulatory information

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%



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LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
EUH210	Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*