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

1.1. Product identifier

Pronova PK Sanitär Silikon

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

Use of the substance/mixture

silicone sealant, acetoxy
Relevant identified uses see section 16.

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

Regulation (EC) No 1272/2008

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

2.2. Label elements

Regulation (EC) No 1272/2008

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P501	Dispose of contents/container to a local diposer in accordance with regional regulations.

Special labelling

EUH208	Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Additional advice on labelling

OIT (2-octyl-2H-isothiazol-3-one) is in an encapsulated form and therefore only a small proportion is freely available in the mixture. A mixture of very similar composition gave no indication of a sensitizing effect in the Buehler test (OECD Test No. 406). The silicone is therefore not labeled with GHS 07/Warning/H317.

2.3. Other hazards

Toxicological information: The substance/mixture does not contain any components that are classified as hazardous according to
REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.
Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more have endocrine disrupting properties.

Environmental information: The substance/mixture does not contain any components that are classified as hazardous according to
REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.
Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more have endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
17865-07-5	Propyltriacetoxysilane			1 - < 5 %
	241-816-9		01-2119966899-07	
	Skin Corr. 1B; H314 EUH071			
4253-34-3	methyltriacetoxysilane			< 1 %
	224-221-9		01-2119962266-32	
	Skin Corr. 1B; H314			
108-24-7	acetic anhydride			< 0.01 %
	203-564-8	607-008-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B; H226 H332 H302 H314			
26530-20-1	2-octyl-2H-isothiazol-3-one			< 0.01 %
	247-761-7	613-112-00-5	01-2120768921-45	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
108-24-7	203-564-8	acetic anhydride	< 0.01 %
	inhalation: LC50 = 4,18 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 4290 mg/kg; oral: LD50 = 1780 mg/kg Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 5 - < 25 Eye Dam. 1; H318: >= 5 - < 25 Eye Irrit. 2; H319: >= 1 - < 5 STOT SE 3; H335: >= 5 - 100		
26530-20-1	247-761-7	2-octyl-2H-isothiazol-3-one	< 0.01 %
	inhalation: ATE 0,27 mg/l (dusts or mists); dermal: ATE 311 mg/kg; oral: ATE 125 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100		

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

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

After contact with skin

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

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

Water spray jet, Extinguishing powder, alcohol resistant foam., Carbon dioxide (CO2).

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Acetic acid

5.3. Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses. Self-contained respirator (breathing apparatus)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

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. Take up mechanically, placing in appropriate containers for disposal.

6.3. Methods and material for containment and cleaning up

Other information

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

Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. 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.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. 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

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection. Use tightly fitting safety glasses. EN ISO 16321

Hand protection

Suitable gloves type FKM (fluoro rubber), NBR (Nitrile rubber).
Thickness of the glove material: >0,35 mm
Breakthrough time:: 60 min
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

Only wear fitting, comfortable and clean protective clothing.

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:	Liquid	
Colour:	see color on the packaging label	
Odour:	vinegary stinging	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined

Flammability	
Solid/liquid:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	na
Auto-ignition temperature:	400 °C
pH-Value:	na
Viscosity / kinematic:	na
Water solubility:	not applicable
Vapour pressure:	not applicable
Density:	1,03 g/cm³
Bulk density:	not applicable
Particle characteristics:	pasty , not applicable

9.2. Other information

Information with regard to physical hazard classes

Sustained combustibility:	No data available
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable

Other safety characteristics

Solvent separation test:	<3%
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	not applicable
Viscosity / dynamic:	800000 mPa·s
Flow time:	na

Further Information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

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 Regulation (EC) No 1272/2008

Toxicocinetics, 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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
108-24-7	acetic anhydride				
	oral	LD50 1780 mg/kg	Rat	GESTIS	
	dermal	LD50 4290 mg/kg	Rabbit	GESTIS	
	inhalation (4 h) vapour	LC50 4,18 mg/l	Rat	GESTIS	
	inhalation dust/mist	ATE 1,5 mg/l			
26530-20-1	2-octyl-2H-isothiazol-3-one				
	oral	ATE 125 mg/kg			
	dermal	ATE 311 mg/kg			
	inhalation dust/mist	ATE 0,27 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation:
non-irritant. By analogy. OECD 405

Skin corrosion/irritation:
non-irritant. By analogy. OECD 404

Sensitising effects

Based on available data, the classification criteria are not met.
Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
Skin sensitisation:
Based on product testing:
Did not cause any sensitising skin reactions in tests on guinea pigs.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: 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.

11.2. Information on other hazards

Endocrine disrupting properties

Based on available data, the classification criteria are not met.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
17865-07-5	Propyltriacetoxysilane						
	Acute fish toxicity	LC50 mg/l	108,89	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 mg/l	24,41		Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	89,59	48 h	Daphnia magna (Big water flea)		
4253-34-3	methyltriacetoxysilane						
	Acute fish toxicity	LC50 mg/l	96,59	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 mg/l	21,65		Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	97,47	48 h	Daphnia magna (Big water flea)		
26530-20-1	2-octyl-2H-isothiazol-3-one						
	Acute fish toxicity	LC50 mg/l	0,036	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute algae toxicity	ErC50 mg/l	0,084	72 h	Scenedesmus subspicatus		OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,042	48 h	Daphnia pulex (water flea)		OECD 202
	Fish toxicity	NOEC mg/l	0,022	28 d	Oncorhynchus mykiss (Rainbow trout)		OECD 210
	Algae toxicity	NOEC mg/l	0,004	3 d	Alge		OECD 201
	Crustacea toxicity	NOEC mg/l	0,002	21 d	Daphnia pulex (water flea)		OECD 211
	Acute bacteria toxicity	EC50 mg/l ( )	0,64		Pseudokirchneriella subcapitata	OECD 201	S976

12.2. Persistence and degradability

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
26530-20-1	2-octyl-2H-isothiazol-3-one			
	OECD 303/ EEC 92/69/V, C10	>83%		
	OECD 309	0,6-1,4		

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-24-7	acetic anhydride	-0,2
26530-20-1	2-octyl-2H-isothiazol-3-one	2,92

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.

12.7. Other adverse effects

There are no data available on the mixture itself.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID 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.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID 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.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID 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.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID 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.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

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

Restrictions on use (REACH, annex XVII):

Entry 75

Additional information

EU Biocides Regulation 528/2012 EC:

This product is a “treated article without a primary biocidal function” (Article 58 in conjunction with Article 3(1)(a)). This product protects itself thanks to the added film protection agent, which cannot exhibit an outward effect due to the plastic film that is formed.

Film protection agent: 2-octyl-2H-isothiazol-3-one

National regulatory information

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

Additional information

This safety data sheet was prepared in accordance with Regulation (EU) 2020/878.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

EWG - Europäische Wirtschaftsgemeinschaft; EG - Europäische Gemeinschaft; CLP- Regulation on Classification, Labelling and Packaging of Substances and Mixtures; TRGS - Technische Regeln für Gefahrstoffe; PBT - persistenter bioakkumulierbarer und toxischer Stoff; vPvB - very persistent very bioaccumulative; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; VOC - Flüchtige organische Verbindung WGK - Wassergefährdungsklasse

Key literature references and sources for data

Sources: http://www.gisbau.de http://www.baua.de https://echa.europa.eu/de/information-on-chemicals

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic 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.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
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.

Instruction on hazards and protective measures based on the operating instructions in accordance with TRGS 555.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Silikondichtmassen	PW, C	19	1	19	-	-	-	Silikone

LCS: Life cycle stages
SU: Sectors of use
PC: Product categories
PROC: Process categories
ERC: Environmental release categories
AC: Article categories
TF: Technical functions

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