

**Safety Data Sheet**

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 1 of 9

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Pronova 4in1 Universal Silikon

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

Silicone, oxime crosslinking

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**

P271	Use only outdoors or in a well-ventilated area.
P262	Do not get in eyes, on skin, or on clothing.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.

Special labelling of certain mixtures

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

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 2 of 9

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
37859-55-5	2-pentanone, O, O', O' '- (methylsilylydyne) trioxime			1-<5 %
	484-460-1		01-2120004323-76	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
26530-20-1	2-octyl-2H-isothiazol-3-one			< 0.1 %
	247-761-7	613-112-00-5	01-2120768921-45	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H331 H311 H302 H314 H318 H317 H400 H410			

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	
37859-55-5	484-460-1	2-pentanone, O, O', O' '- (methylsilylydyne) trioxime	1-<5 %
		dermal: LD50 = >1782 mg/kg; oral: LD50 = 1234 mg/kg	
26530-20-1	247-761-7	2-octyl-2H-isothiazol-3-one	< 0.1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 500 mg/kg Skin Sens. 1; H317: >= 0,05 - 100 M akut; H400: M=10 M chron.; H410: M=1	

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

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. 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

Rinse immediately carefully and thoroughly with eye-bath or water. 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 doctor.

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. 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

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 3 of 9

resistant foam., Carbon dioxide (CO₂).

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, Nitrogen oxides (NO_x), Pyrolysis products, toxic
Possible in traces: Formaldehyde

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses. Self-contained respirator (breathing apparatus)

Additional information

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

General measures

Avoid contact with skin, eyes and clothes. 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

none

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. Do not store in corridors and stairways. Keep/Store only in original container.

Further information on storage conditions

Provide adequate ventilation. Wash hands before breaks and after work. Follow the instructions for use on the label.

7.3. Specific end use(s)

none

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 4 of 9

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

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.

Eye/face protection

Wear eye/face protection. 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
Colour:	see color on the packaging label
Odour:	neutral
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 determined
Softening point:	not determined
Pour point:	not determined
Flash point:	na
Sustaining combustion:	Not sustaining combustion
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	>440 °C

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
Density:	1,01 g/cm ³

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 5 of 9

Bulk density:	not applicable
Water solubility:	not applicable
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	na
Flow time:	na
Relative vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not applicable

9.2. Other information

Solid content:	not determined
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

No known hazardous reactions.

10.4. Conditions to avoid

Protect from moisture. Keep away from heat.

10.5. Incompatible materials

Oxidising agent, Acid, Alkali (lye), Water, Alcohols, Amines

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

Readings have shown that a small amount of formaldehyde is split off at temperatures in excess of 150°C through oxidative reduction.

SECTION 11: Toxicological information

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

Acute toxicity

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

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 6 of 9

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
37859-55-5	2-pentanone, O, O', O'' - (methylsilyldiyl) trioxime				
	oral	LD50 mg/kg	1234	Rat	
	dermal	LD50 mg/kg	>1782	Rat	
26530-20-1	2-octyl-2H-isothiazol-3-one				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	300		
	inhalation vapour	ATE	3 mg/l		
	inhalation aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

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

Sensitising effects

Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

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 not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: Silicone component: not bio-degradable. Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. According to knowledge so far, no fish toxicity can be expected. According to present knowledge no negative effects can be expected in sewerage systems.

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 7 of 9

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
37859-55-5	2-pentanone, O, O', O'- (methylsilylydyne) trioxime					
	Acute fish toxicity	LC50 >113 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 100 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 >113 mg/l	48 h	Daphnia magna (Big water flea)		
26530-20-1	2-octyl-2H-isothiazol-3-one					
	Acute fish toxicity	LC50 0,036 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute algae toxicity	ErC50 0,084 mg/l	72 h	Scenedesmus subspicatus		OECD 201
	Acute crustacea toxicity	EC50 0,042 mg/l	48 h	Daphnia pulex (water flea)		OECD 202
	Fish toxicity	NOEC 0,022 mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)		OECD 210
	Algae toxicity	NOEC 0,004 mg/l	3 d	Alge		OECD 201
	Crustacea toxicity	NOEC 0,002 mg/l	21 d	Daphnia pulex (water flea)		OECD 211
	Acute bacteria toxicity	(0,64 mg/l)		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
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.

12.5. 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

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. none

SECTION 13: Disposal considerations

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 8 of 9

13.1. Waste treatment methods

Disposal recommendations

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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	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

Safety Data Sheet

according to UK REACH Regulation

Pronova 4in1 Universal Silikon

Revision date: 17.05.2021

Product code: 19003045470001P

Page 9 of 9

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

EU regulatory information

National regulatory information

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

Additional information

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

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): 2,3,15.

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%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

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.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.

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