

**Safety Data Sheet**

according to UK REACH Regulation

**Pronova Brunnen Schaum 1K PU**

Revision date: 23.04.2021

Product code: 19003045530000P

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

Pronova Brunnen Schaum 1K PU

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

For filling, fixing and insulating gaps and cavities.

**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**

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Resp. Sens. 1

Respiratory or skin sensitisation: Skin Sens. 1

Carcinogenicity: Carc. 2

Reproductive toxicity: Lact.

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 4

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause harm to breast-fed children.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May cause long lasting harmful effects to aquatic life.

**2.2. Label elements****GB CLP Regulation****Signal word:** Danger

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#### Pictograms:



#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H362	May cause harm to breast-fed children.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

#### Precautionary statements

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P405	Store locked up.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor.
P284	Wear respiratory protection.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P251	Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P102	Keep out of reach of children.

#### Special labelling of certain mixtures

EUH204	Contains isocyanates. May produce an allergic reaction.
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#### 2.3. Other hazards

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
115-10-6	dimethyl ether			>=1-<20 %
	204-065-8	603-019-00-8	01-2119472128-37	
	Flam. Gas 1, Compressed gas; H220 H280			
85535-85-9	alkanes, C14-17, chloro; chlorinated paraffins, C14-17			>=2,5-<15 %
	287-477-0	602-095-00-X	01-2119519269-33	
	Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410 EUH066			
32055-14-4	Diphenylmethane diisocyanate, isomers and homologs			>=10-<15 %
	500-079-6		01-2119457024-46	
	Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373			

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		
32055-14-4	500-079-6	Diphenylmethane diisocyanate, isomers and homologs	>=10-<15 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)		

### 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 victim out of the danger area. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

##### After contact with skin

Wash immediately with: Water and soap 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

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

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

Allergic reactions. May cause drowsiness or dizziness. Dizziness

#### 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, Foam. Carbon dioxide (CO2). Extinguishing powder

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#### Unsuitable extinguishing media

Full water jet

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

Danger of formation of toxic Pyrolysis products. Heating causes rise in pressure with risk of bursting.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste according to applicable legislation. Emergency cooling must be provided for in case of a fire in the vicinity.

### SECTION 6: Accidental release measures

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

##### General measures

Use personal protection equipment. Provide adequate ventilation. Remove all sources of ignition.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **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). Take-up mechanically and remove according to regulations(Chapter 13).

#### **6.4. Reference to other sections**

See protective measures under point 7 and 8.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### Advice on safe handling

Remove all sources of ignition. Provide adequate ventilation. Vapours can form explosive mixtures with air. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Check exposed employees regularly.

##### Advice on protection against fire and explosion

Take precautionary measures against static discharges. When using do not smoke. Remove all sources of ignition. Provide adequate ventilation. Fire class C. Ignition source code: G2

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

##### Requirements for storage rooms and vessels

Do not allow to enter into soil/subsoil. Keep container tightly closed in a cool, well-ventilated place. Special provisions Aerosols Suitable floor material: solvent-resistant

##### Hints on joint storage

Do not store together with: Oxidising agent, Food flavouring and nutrient

##### Further information on storage conditions

Ensure adequate ventilation of the storage area. Avoid heating over 50°C.

#### **7.3. Specific end use(s)**

For filling, fixing and insulating gaps and cavities.

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

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#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
115-10-6	dimethyl ether			
Worker DNEL, long-term		inhalation	systemic	1894 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	471 mg/m <sup>3</sup>

#### PNEC values

CAS No	Substance	Value
Environmental compartment		
115-10-6	dimethyl ether	
Freshwater		0,155 mg/l
Freshwater sediment		0,681 mg/kg
Micro-organisms in sewage treatment plants (STP)		160 mg/l
Soil		0,045 mg/kg

#### 8.2. Exposure controls

##### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

##### Protective and hygiene measures

Substance with a common (EC) occupational exposure limit value.

##### Eye/face protection

Use tightly fitting safety glasses.

##### Hand protection

Suitable material: Butyl caoutchouc (butyl rubber)

Breakthrough time:: >=120 min. If necessary, use under-gloves made of cotton. The exact break through time can be obtained from the glove producer and this has to be observed.

##### Skin protection

Light protective clothing.

##### Respiratory protection

Do not breathe gas/fumes/vapour/spray. Respiratory protection necessary at: exceeding exposure limit values for short-term work A2 - P2 for short-term work.

##### Environmental exposure controls

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

## SECTION 9: Physical and chemical properties

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

Physical state:	Foam.
Colour:	see color on the packaging label
Odour:	characteristic

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pH-Value: not applicable

**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

: not determined

Flash point: not applicable

**Flammability**

Solid/liquid: not determined

Gas: not determined

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature: not determined

**Self-ignition temperature**

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

Vapour pressure: not applicable

Vapour pressure: not determined

Bulk density: not determined

Water solubility: not determined

Viscosity / dynamic: not applicable

Viscosity / kinematic: not applicable

Solvent separation test: not applicable

**9.2. Other information**

none

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

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Heating causes rise in pressure with risk of bursting. Vapours can form explosive mixtures with air.

**10.4. Conditions to avoid**

Heating causes rise in pressure with risk of bursting.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Gases/vapours, flammable

**SECTION 11: Toxicological information**

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

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
32055-14-4	Diphenylmethane diisocyanate, isomers and homologs				
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

##### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

##### Sensitising effects

Contains isocyanates. May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Diphenylmethane diisocyanate, isomers and homologs)

May cause an allergic skin reaction. (Diphenylmethane diisocyanate, isomers and homologs)

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

Suspected of causing cancer. (Diphenylmethane diisocyanate, isomers and homologs)

May cause harm to breast-fed children. (alkanes, C14-17, chloro; chlorinated paraffins, C14-17)

Germ cell mutagenicity: 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

May cause respiratory irritation.

##### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Diphenylmethane diisocyanate, isomers and homologs)

##### Aspiration hazard

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

## SECTION 12: Ecological information

#### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

Does not significantly accumulate in organisms.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1

#### 12.4. Mobility in soil

No information available.

#### 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

none

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled. Free recovery carried out by PDR Recycling GmbH & Co. KG in D-95349 Thurnau – further information available by contacting freephone 0800 / 7836736.

### SECTION 14: Transport information

**Land transport (ADR/RID)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1  
Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1  
Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1  
Special Provisions: 63, 190, 277, 327, 344, 381,959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

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

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable



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<b>14.3. Transport hazard class(es):</b>	2.1
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Flammable gases.

### 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 3, Entry 40

##### National regulatory information

Water hazard class (D): 2 - obviously 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

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

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H362	May cause harm to breast-fed children.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.



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H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH204	Contains isocyanates. May produce an allergic reaction.

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