

**Safety Data Sheet**

according to UK REACH Regulation

Pronova Schnell Schaum 2K

Revision date: 04.05.2021

Product code: 19003045540000P

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

Pronova Schnell Schaum 2K

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

Acute toxicity: Acute Tox. 4

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

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Harmful if swallowed.

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 respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

tris (2-chloro-1-methylethyl) phosphate

Diphenylmethane diisocyanate, isomers and homologs

ethanediol, ethylene glycol

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Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P251	Do not pierce or burn, even after use.
P260	Do not breathe vapour.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to hazardous or special waste collection point.

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.

After mixing, always use the product within 5 minutes. If the mixed foam is not removed, the can may heat up to temperatures above 50°C. Heating causes rise in pressure with risk of bursting.

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			
13674-84-5	tris (2-chloro-1-methylethyl) phosphate			15 - < 20 %
	237-158-7		01-2119447716-31	
	Acute Tox. 4; H302			
115-10-6	dimethyl ether			15 - < 20 %
	204-065-8	603-019-00-8	01-2119472128-37	
	Flam. Gas 1, Compressed gas; H220 H280			
9016-87-9	Diphenylmethane diisocyanate, isomers and homologs			15 - < 20 %
	500-079-6	615-005-01-6	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			
75-28-5	isobutane			10 - < 15 %
	200-857-2	601-004-00-0	01-2120118594-56	
	Flam. Gas 1, Compressed gas; H220 H280			
107-21-1	ethanediol, ethylene glycol			5 - < 10 %
	203-473-3		01-2119456816-28	
	Acute Tox. 4, STOT RE 2; H302 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	
13674-84-5	237-158-7	tris (2-chloro-1-methylethyl) phosphate	15 - < 20 %
		oral: ATE = 500 mg/kg	
9016-87-9	500-079-6	Diphenylmethane diisocyanate, isomers and homologs	15 - < 20 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)	
107-21-1	203-473-3	ethanediol, ethylene glycol	5 - < 10 %
		dermal: LD50 = 10600 mg/kg; oral: ATE = 500 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

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.

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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

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Danger of formation of toxic Pyrolysis products. Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Nitrogen oxides (NO_x)

Overheated aerosols can explode (risk of injury/risk of explosive atmosphere).

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

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

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

Further information on handling

After mixing, always use the product within 5 minutes. If the mixed foam is not removed, the can may heat up to temperatures above 50°C.

7.2. Conditions for safe storage, including any incompatibilities

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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

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		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 ³
	Consumer DNEL, long-term	inhalation	systemic	471 mg/m ³

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: NBR (Nitrile rubber)

material thickness: 0,7 mm

Breakthrough time:: >480 min. If necessary, use under-gloves made of cotton. The exact break through time

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can be obtained from the glove producer and this has to be observed.

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing 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. Aerosol
Colour:	see color on the packaging label
Odour:	characteristic
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
Density:	1,02 g/cm ³
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

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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

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

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1250,0 mg/kg

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
13674-84-5	tris (2-chloro-1-methylethyl) phosphate					
	oral	ATE 500 mg/kg				
9016-87-9	Diphenylmethane diisocyanate, isomers and homologs					
	inhalation vapour	ATE 11 mg/l				
	inhalation aerosol	ATE 1,5 mg/l				
107-21-1	ethanediol, ethylene glycol					
	oral	ATE 500 mg/kg				
	dermal	LD50 10600 mg/kg	Rabbit	GESTIS		

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)

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. (Diphenylmethane diisocyanate, isomers and homologs)

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STOT-repeated exposure

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

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
75-28-5	isobutane	2,8
107-21-1	ethanediol, ethylene glycol	-1,36

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****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

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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
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
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**

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Restrictions on use (REACH, annex XVII):
Entry 3, Entry 28, Entry 40

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

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

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Acute Tox. 4; H302	Bridging principle "Aerosols"
Skin Irrit. 2; H315	Bridging principle "Aerosols"
Eye Irrit. 2; H319	Bridging principle "Aerosols"
Resp. Sens. 1; H334	Bridging principle "Aerosols"
Skin Sens. 1; H317	Bridging principle "Aerosols"
Carc. 2; H351	Calculation method
STOT SE 3; H335	Bridging principle "Aerosols"
STOT RE 2; H373	Bridging principle "Aerosols"

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.
H302	Harmful if swallowed.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
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.)