

SECTION 1: Identification of the substance or mixture and uses advised against

1.1 Product identifier

VÖLKEK V4G Cutting Paste

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

Use of the substance/mixture

Metal cutting paste

Use advised against

No information available

1.3 Details of the supplier of the safety data sheet

Company name: VÖLKEK GmbH
Street: Morsbachtalstraße 20
Place: DE-42855 Remscheid
Telephone: +49 (0) 2191 490112
E-Mail: info@voelkel.com
Internet: www.voelkel.com

1.4 Emergency number

Emergency telephone number (24h): +44 1235 239670 (en)

Further Information

Reserved for industrial and professional use.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) 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

Special labelling of certain mixtures

EUH208 Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts. 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

Hazardous components

CAS No.	Chemical Name			Quantity
	EC No.	Index-No.	REACH-No.	
	Classification (Regulation (EC) No 1272/2008)			
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts			0.1 - < 1 %
	939-603-7		01-2119978241-36	
	Skin Sens. 1; H317			

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		
1471316-72-9	939-603-7	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	0.1 - < 1 %
	dermal: LD50 = 2000 mg/kg; oral: LD50 = 10000-20000 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After Inhalation

Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

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

After contact with eyes

Rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

No information available.

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 fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated:

Carbon dioxide (CO₂)

Carbon Monoxide

Nitrogen oxides (NO_x)

5.3. Advice for firefighters

In case of fire: Wear a self-contained breathing apparatus.

Additional Information

Collect contaminated fire extinguishing water separately. Do not allow entering drains of surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Advice

See protective measures under point 7 and 8.

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For non-emergency personnel

Special danger of slipping by leaking/ spilling product.

For emergency responders

Self-Protection of the first aider. Remove affected person from the danger area and lay down. Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g., by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Clean contaminated articles and floor according to the environmental legislation.
Clean with detergents. Avoid solvent cleaners.

Other Information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding acids). Clean contaminated articles and floor according to the environmental legislation.
Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid oil mist.
Use only in well-ventilated areas.
When using do not eat, drink or smoke.

Advice on general occupational hygiene

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

Further information or handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep the packing dry and well-sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Maximum period of storage (time): 3

Further Information on storage conditions

Protect from sunlight. Store in a well- ventilated place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL values

CAS-No.	Substance			
DNEL Type	Exposure route	Effect	Value	
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts			
Worker DNEL, long-term	inhalation	systemic	35,26 mg/m ³	
Worker DNEL, long-term	dermal	systemic	25 mg/kg bw/day	
Consumer DNEL: long-term	inhalation	systemic	8,7 mg/m ³	
Consumer DNEL, long-term	dermal	Systemic	12,5 mg/kg bw/day	
Consumer DNEL, long-term	dermal	local	0,518 mg/cm ²	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	

PNEC Values

CAS No.	Substance	
Environmental compartment	Value	
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	
Freshwater	0,1 mg/l	
Marine water	0,1 mg/l	
Freshwater sediment	45211 mg/kg	
Marine sediment	45211 mg/kg	
Micro-organisms in sewage treatment plants (STP)	1000 mg/l	
Soil	36739 mg/kg	

Additional advice on limit values

To date, no national critical limit values exist.

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.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

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 wash hands before breaks and after work.

Skin protection

Chemical resistant safety shoes. Take off immediately all contaminated clothing. Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Paste
Colour:	brown
Odour:	characteristic
Odour threshold:	not applicable

	Test method
Changes in the physical state	
Meeting point/freezing point	not determined
Boiling point or initial boiling point and boiling change	not determined
Flash point:	250 °C DIN ISO 2592
Flammability	
Solid/liquid	not determined
Gas	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature	320 °C ASTM E 659
Self-ignition temperature	
Solid	not determined
Gas	not applicable
Decomposition temperature	not determined
pH- Value	not determined
Viscosity/ kinematic: (at 40 °C)	
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents	
Partition coefficient n-octanol/water	not determined
Vapour pressure	not determined
Density (at 20 °C):	1 g/cm ³ DIN EN ISO 12185
Relative vapour density	not determined

9.2 Other Information

Oxidizing properties	not oxidising
Solid content	not determined
Evaporate rate	not determined

Further Information

No information available.

SECTION 10: Stability and reactivity

10.2 Chemical Stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions when handled and stored according to provisions.

10.4 Conditions to avoid

Protect against heat.

10.5 Incompatible Materials

The following must be prevented: Oxidizing agents, strong, acid.

10.6 Hazardous decomposition products

Hazardous decomposition products: none.

SECTION 11: toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicocinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Data apply to the main component.

Acute Toxicity

CAS-Nr.	Bezeichnung				
	Exposure Route	Dose	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts				
	oral	LD50 10000-20000 mg/kg	Rat	ECHA	
	dermal	LD50 mg/kg 2000	Rat	ECHA	

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. No risks worthy of mention. Practical experience. The statement is derived from the properties of single components. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC)

11.2 Information on other hazards

Endocrine disrupting properties

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

The product is not: Ecotoxic.

CAS-No.	Chemical Name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts					
	Acute fish toxicity	LC50 >100 mg/l	92 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		OECD 202
	Algae toxicity	NOEC >1000 mg/l	3 d	Scenedesmus subspicatus		OECD 201
	Acute bacteria toxicity	EC50 >10000 mg/l				

12.2 Persistence and degradability

The product has not been tested

CAS-No.	Chemical Name			
	Method	Value	d	Source
	Evaluation			
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts			
	RA_CAS 70024-69-0, OECD 301D	8,0%	28	
	Not easily bio-degradable (according to OECD-criteria).			

12.3 Bioaccumulative potential

The product has not been tested

Partition coefficient n-octanol/water

CAS-No.	Chemical name	Log Pow
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	6,91

12.4 Mobility in soil

In delivery condition: viscous

12.5 Result of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

Do not allow uncontrolled discharge of product into the environment.

Further information: Avoid release to the environment

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

120112

Wastes from shaping and physical and mechanical surface of treatment of metals and plastics.

List of Wastes Code- used products

120112

Wastes from shaping and physical and mechanical surface of treatment of metals and plastics.

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 or ID number:

Not a hazardous material with respect to transportation regulations.

14.2 UN proper shipping name:

Not a hazardous material with respect to transportation regulations.

14.3 Transport hazard class (es):

Not a hazardous material with respect to transportation regulations.

14.4 Packing group:

Not a hazardous material with respect to transportation regulations.

Other applicable information (land transport)

Not restricted

Inland waterways transport (ADN)

14.1 UN-Number or ID number:

Not a hazardous material with respect to transportation regulations

14.2 UN proper shipping name:

Not a hazardous material with respect to transportation regulations.

14.3 Transport hazard class (es):

Not a hazardous material with respect to transportation regulations.

14.4 Packing group:

Not a hazardous material with respect to transportation regulations.

Other applicable information (inland waterways transport)

Not restricted

Marine Transport (IMDG)

14.1 UN number or ID number:

Not a hazardous material with respect to transportation regulations.

14.2 UN proper shipping name:

Not a hazardous material with respect to transportation regulations.

14.3 Transport hazard class (es):

Not a hazardous material with respect to transportation regulations.

14.4 Packing group:

-

Other applicable information (marine transport)

Not restricted

Air transport (ICAO-TI/IATA-DGR)

14.1 UN number or ID number:

Not a hazardous material with respect to transportation regulations.

14.2 UN proper shipping name:

Not a hazardous material with respect to transportation regulations.

14.3 Transport hazard class (es):

Not a hazardous material with respect to transportation regulations.

14.4 Packing group:

-

Other applicable information (air transport)

Not restricted

14.5 Environmental hazards

Environmentally hazardous: No

14.6 Special precautions for user

Personal protection equipment: see section 8

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III)

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D):

1- slightly hazardous to water

Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

15.2 Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland
Waterways (Accord européen relatif au transport international des marchandises dangereuses par
voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
Repr. – reproduction toxicity
Asp. Tox. – aspiration toxicity
Acute Tox. – acute toxicity
Aquatic Acute – acute aquatic toxicity
Aquatic Chronic – chronic aquatic toxicity
Eye Dam. – Eye damage / irritation
Eye Irrit. – Eye irritation
Skin Corr. – Corrosivity to the skin
Skin Irrit. – skin irritation
Skin Sens. – skin sensitivity
Resp. Sens. – respiratory sensitivity
STOT SE – specific target organ toxicity – single exposure
STOT RE – specific target organ toxicity – repeated exposure
VOC – Volatile Organic Compounds

Classification for mixture and used evaluation method according to regulation (EC) No. 1272/2008 (CLP)

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

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Relevant H- und EUH statements (Number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., Calcium salts. May produce an allergic reaction.

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 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.

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