

# Safety Data Sheet

## VKG 1

Replaces date: 20/04/2021

Revision date: 28/03/2022

Version: 8.0.0

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

#### 1.1. Product identifier

**Trade name:** VKG 1

**Unique Formula Identifier (UFI):** 93YY-S6WW-QW1M-NDR6

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

**Recommended uses:** Lubricant.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

**Company:** SKF MPT  
**Address:** Meidoornkade 14  
**Zip code:** 3992 AE  
**City:** AE Houten  
**Country:** NETHERLANDS  
**E-mail:** support.mpt@skf.com  
**Phone:** +31 30 6307200  
**Homepage:** www.skf.com

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**CLP-classification:** The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

**Most serious harmful effects:** May cause slight irritation to the skin and eyes.

#### 2.2. Label elements

##### Supplemental information

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
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Dilithium azelate	38900-29-7 254-184-4 01-2120119814-57	2.5 - 5%	Acute Tox. 4;H302  LD50 (Acute toxicity - oral): > 300mg/kg bw LC50 LD50 (Acute toxicity - dermal): > 2000mg/kg bw
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Please see section 16 for the full text of H- / EUH-phrases.

**Ingredient comments:** The mineral oils in the product contain <3% DMSO extract(IP 346).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required. Treat symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

**Unsuitable extinguishing media:** Do not use water stream, as it may spread the fire.

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

Not flammable, but combustible. Can generate harmful flue gases containing carbon monoxide in the event of fire.

#### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

### SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Wear gloves. Wear safety goggles if there is a risk of eye splash. Stay upwind/keep distance from source.

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**For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

### 6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not expose to heat (e.g. sunlight). Store at temperatures below 45°C. Do not store with the following: Strong oxidisers.

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements

**Measuring methods:** Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020.

### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

**Personal protective equipment, hand protection:** Wear gloves. Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier. Gloves must conform to EN 374.

**Personal protective equipment, respiratory protection:** Not required.  
In case of risk of formation of spray mist, wear respiratory protective equipment with P2

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filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

**Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

### SECTION 9: Physical and chemical properties

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

Parameter	Value/unit
State	Gel. Paste
Colour	Yellow
Odour	No data
Solubility	Insoluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	> 150 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	> 20.5 mm <sup>2</sup> /s	(40 °C)
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	< 1000 kg/m <sup>3</sup>	(25 °C)
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Non-explosive
VOC (Volatile organic compounds):	0 %	

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Strong oxidisers.

#### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

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### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight).

### 10.5. Incompatible materials

Strong oxidisers.

### 10.6. Hazardous decomposition products

Can generate harmful flue gases containing carbon monoxide in the event of fire.

## SECTION 11: Toxicological information

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

#### Acute toxicity - oral

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		3571.60 mg/kg		Calculated	

#### Dilithium azelate, cas-no 38900-29-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 300mg/kg bw			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### VKG 1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		3796.10 mg/kg		Calculated	

#### Dilithium azelate, cas-no 38900-29-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LC50 LD50		> 2000mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (gases)		20891.50ppm			
	ATE (dust/mist)		5.63mg/l			
	ATE (vapours)		21.00mg/l			

The product does not have to be classified. Test data are not available.

**Skin corrosion/irritation:** May cause slight irritation. The product does not have to be classified. Test data are not available.

**Serious eye damage/eye irritation:** Temporary irritation. The product does not have to be classified. Test data are not available.

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<b>Respiratory sensitisation or skin sensitisation:</b>	The product does not have to be classified. Test data are not available.
<b>Germ cell mutagenicity:</b>	The product does not have to be classified. Test data are not available.
<b>Carcinogenic properties:</b>	The product does not have to be classified. Test data are not available.
<b>Reproductive toxicity:</b>	The product does not have to be classified. Test data are not available.
<b>Single STOT exposure:</b>	The product does not have to be classified. Test data are not available.
<b>Repeated STOT exposure:</b>	The product does not have to be classified. Test data are not available.
<b>Aspiration hazard:</b>	The product does not have to be classified. Test data are not available.

### 11.2. Information on other hazards

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**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

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The product does not have to be classified. Test data are not available.

### 12.2. Persistence and degradability

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Not expected to be biodegradable. Test data are not available.

### 12.3. Bioaccumulative potential

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No bioaccumulation expected. Test data are not available.

### 12.4. Mobility in soil

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Not expected to be mobile in soil. Test data are not available.

### 12.5. Results of PBT and vPvB assessment

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The product does not contain any PBT or vPvB substances.

### 12.6. Endocrine disrupting properties

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None known.

### 12.7. Other adverse effects

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Oil products may cause soil and water pollution.

German water pollution classification (WGK): 1

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

**Category of waste:** EWC code: Depends on line of business and use, for instance 13 08 99\* wastes not otherwise specified

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

### SECTION 14: Transport information

<p><b>14.1. UN number or ID number:</b> Not applicable.</p> <p><b>14.2. UN proper shipping name:</b> Not applicable.</p> <p><b>14.3. Transport hazard class(es):</b> Not applicable.</p>	<p><b>14.4. Packing group:</b> Not applicable.</p> <p><b>14.5. Environmental hazards:</b> Not applicable.</p>
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**14.6. Special precautions for user**

None.

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**Other Information:** The product is not covered by the rules for transport of dangerous goods.

### SECTION 15: Regulatory information

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

**Special Provisions:** None.

**15.2. Chemical Safety Assessment**

REACH Reg. No.	Substance name
01-2120119814-57	Dilithium azelate

### SECTION 16: Other information

**Version history and indication of changes**

Version	Revision date	Responsible	Changes
8.0.0	28/03/2022	Bureau Veritas HSE/ SRU	1-6, 9, 11-12, 15-16

**Abbreviations:** PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative  
 STOT: Specific Target Organ Toxicity

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on

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preparation of safety data sheets in accordance with Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Classification method:** Calculation based on the hazards of the known components.

### List of relevant H-statements

H302 Harmful if swallowed.

### List of relevant EUH-statements

EUH210 Safety data sheet available on request.

**Document language:** GB