



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 1 of 18

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

#### 1.1. Product identifier

Jokisch Migma Tano DSG

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

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

Company name:	Jokisch GmbH	
	Germany	
Street:	Industriestraße 5	
Place:	D-33813 Oerlinghausen	
Telephone:	+49(0)5202/9734-0	Telefax: +49(0)5202/9734-49
E-mail:	info@jokisch-fluids.de	
Contact person:	Regulatory affairs	
E-mail:	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

#### 1.4. Emergency telephone number:

Emergency telephone number (24h) +1 872 5888271 (JRR) (en)

#### Further Information

Reserved for industrial and professional use.

### SECTION 2: Hazards identification

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

##### Regulation (EC) No 1272/2008

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard statements

H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

##### Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

#### 2.3. Other hazards

Avoid release to the environment.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 2 of 18

**Relevant ingredients**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified	10 - < 15 %
	265-159-2	01-2119480132-48
	Asp. Tox. 1; H304	
770-35-4	1-phenoxypropan-2-ol	5 - < 10 %
	212-222-7	01-2119486566-23
	Eye Irrit. 2; H319	
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates	1 - < 2.5 %
	614-543-1	
	Skin Irrit. 2; H315	
68608-26-4	Sulfonic acids, petroleum, sodium salts	1 - < 2.5 %
	271-781-5	01-2119527859-22
	Eye Irrit. 2; H319	
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	0.1 - < 1 %
	201-993-5	01-2119511183-53
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H335 H400 H410	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0.1 - < 1 %
	203-961-6	01-2119475104-44
	Eye Irrit. 2; H319	
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.1 %
	220-120-9	613-088-00-6
	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410	
141-43-5	2-aminoethanol; ethanolamine	< 0.1 %
	205-483-3	603-030-00-8
	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H318 H317 H335 H412	
2682-20-4	2-methylisothiazol-3(2H)-one	< 0.0015 %
	220-239-6	01-2120764690-50
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071	

Full text of H and EUH statements: see section 16.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 3 of 18

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-56-9	265-159-2	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified	10 - < 15 %
		oral: LD50 = 5000 mg/kg	
770-35-4	212-222-7	1-phenoxypropan-2-ol	5 - < 10 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
68511-37-5	614-543-1	Poly(oxy-1,2-ethanediy),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates	1 - < 2.5 %
		oral: LD50 = >2000 mg/kg	
68608-26-4	271-781-5	Sulfonic acids, petroleum, sodium salts	1 - < 2.5 %
		dermal: LD50 = > 5001 mg/kg; oral: LD50 = > 5001 mg/kg	
90-43-7	201-993-5	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2733 mg/kg	
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0.1 - < 1 %
		dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 mg/kg	
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.1 %
		inhalation: ATE 0,21 mg/l (dusts or mists); dermal: LD50 = > 2001 mg/kg; oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
141-43-5	205-483-3	2-aminoethanol; ethanolamine	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1025 mg/kg; oral: LD50 = 1515 mg/kg STOT SE 3; H335: >= 5 - 100	
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	< 0.0015 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 242 mg/kg; oral: LD50 = 120-249 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

**Further Information**

Full text of H- and EUH-statements: see section 16.

**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**

Move victim to fresh air. Put victim at rest and keep warm. Call a doctor if you feel unwell.

**After contact with skin**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting.

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

No information available.

**SECTION 5: Firefighting measures**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 4 of 18

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

##### **Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated:

Nitrogen oxides (NO<sub>x</sub>).

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>).

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

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

### **SECTION 6: Accidental release measures**

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

##### **General advice**

See protective measures under point 7 and 8.

High slip hazard because of leaking or spilled product. Do not breathe mist/vapours/spray. Provide adequate ventilation.

##### **For non-emergency personnel**

Take off immediately all contaminated clothing and wash it before reuse.

##### **For emergency responders**

The danger areas must be delimited and identified using relevant warning and safety signs. Move victim out of danger zone.

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

Do not allow to enter into surface water or drains.

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

##### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

##### **Other information**

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.

#### **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**

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

##### **Further information on handling**

When using do not eat, drink or smoke.

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 the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Maximum period of storage (time): 1 year

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 5 of 18

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

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

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	
141-43-5	Ethanolamine (2-Aminoethanol)	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	
1310-58-3	Potassium hydroxide	-	2		STEL (15 min)	
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migra Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 6 of 18

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified			
Worker DNEL, long-term		inhalation	systemic	2,73 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	5,58 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	1,19 mg/m <sup>3</sup>
770-35-4	1-phenoxypropan-2-ol			
Worker DNEL, long-term		inhalation	systemic	25,7 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	42 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	21 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	3,65 mg/kg bw/day
68608-26-4	Sulfonic acids, petroleum, sodium salts			
Worker DNEL, long-term		inhalation	systemic	0,66 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,33 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	1667 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,833 mg/kg bw/day
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl			
Worker DNEL, long-term		inhalation	systemic	19,25 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	21,84 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,4 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,4 mg/kg bw/day
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
Worker DNEL, long-term		dermal	systemic	83 mg/kg bw/day
Consumer DNEL, acute		inhalation	local	60,7 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	67,5 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	40,5 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	40,5 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	101,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
1310-58-3	potassium hydroxide; caustic potash			
Worker DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>



### Safety Data Sheet

according to Regulation (EC) No 1907/2006

#### Jokisch Migra Tano DSG

Revision: 02.02.2025

Product code: 66

Page 7 of 18

2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one		
Worker DNEL, long-term	inhalation	systemic	6,81 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	1,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,345 mg/kg bw/day
141-43-5	2-aminoethanol; ethanolamine		
Worker DNEL, long-term	inhalation	systemic	1 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	0,51 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	3 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,18 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	0,28 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	1,5 mg/kg bw/day
1310-73-2	Sodium hydroxide; caustic soda		
Worker DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>
2682-20-4	2-methylisothiazol-3(2H)-one		
Worker DNEL, long-term	inhalation	local	0,021 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	0,043 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	0,021 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	0,043 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	0,053 mg/kg bw/day

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migra Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 8 of 18

**PNEC values**

CAS No	Substance	Value
Environmental compartment		Value
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified	
Secondary poisoning		9,33 mg/kg
770-35-4	1-phenoxypropan-2-ol	
Freshwater		0,1 mg/l
Marine water		0,01 mg/l
Freshwater sediment		0,38 mg/kg
Marine sediment		0,038 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,02 mg/kg
68608-26-4	Sulfonic acids, petroleum, sodium salts	
Freshwater		1 mg/l
Marine water		1 mg/l
Freshwater sediment		723500000 mg/kg
Marine sediment		723500000 mg/kg
Secondary poisoning		16667 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		868700000 mg/kg
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	
Freshwater		0,00009 mg/l
Marine water		0,00009 mg/l
Marine water (intermittent releases)		0,027 mg/l
Freshwater sediment		0,1284 mg/kg
Marine sediment		0,01284 mg/kg
Soil		2,5 mg/kg
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	
Freshwater		1,1 mg/l
Marine water		0,11 mg/l
Freshwater sediment		4,4 mg/kg
Marine sediment		0,44 mg/kg
Secondary poisoning		56 mg/kg
Micro-organisms in sewage treatment plants (STP)		200 mg/l
Soil		0,4 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	
Freshwater		4,03
Marine water (intermittent releases)		0,403
Freshwater sediment		49,9
Marine sediment		4,99
Micro-organisms in sewage treatment plants (STP)		1,03 mg/l
Soil		3 mg/kg
141-43-5	2-aminoethanol; ethanolamine	

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 9 of 18

Freshwater	0,07 mg/l
Marine water	0,007 mg/l
Freshwater sediment	0,357 mg/kg
Marine sediment	0,036 mg/kg
Micro-organisms in sewage treatment plants (STP)	100 mg/l
Soil	1,29 mg/kg
2682-20-4	2-methylisothiazol-3(2H)-one
Freshwater	0,00339 mg/l
Marine water	0,00339 mg/l
Micro-organisms in sewage treatment plants (STP)	0,23 mg/l
Soil	0,047 mg/kg

### 8.2. Exposure controls



Individual protection measures, such as personal protective equipment

#### Eye/face protection

EN 166

#### Hand protection

Protect skin by using skin protective cream.  
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

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Thermal hazards

Remove all sources of ignition.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: light brown  
Odour: characteristic

#### Test method

Boiling point or initial boiling point and boiling range: not determined  
Lower explosion limits: not determined  
Upper explosion limits: not determined  
Flash point: not applicable  
Auto-ignition temperature: not determined  
pH-Value (at 20 °C): 8,9 DIN 51369  
Viscosity / kinematic: (at 20 °C) 58 mm<sup>2</sup>/s ASTM D 7042



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 10 of 18

Vapour pressure:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,99 g/cm <sup>3</sup> EN ISO 12185

#### **9.2. Other information**

##### **Other safety characteristics**

Pour point:	not determined
Viscosity / dynamic:	not determined

##### **Further Information**

Refraktometer 1,8

### **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 chemically stable under recommended conditions of storage, use and temperature.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **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**

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l



### Safety Data Sheet

according to Regulation (EC) No 1907/2006

#### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 11 of 18

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified				
	oral	LD50 5000 mg/kg	Rat	ECHA	OECD Guideline 420
770-35-4	1-phenoxypropan-2-ol				
	oral	LD50 > 2000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit		OECD 402
68511-37-5	Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates				
	oral	LD50 >2000 mg/kg	Rat		OECD 401
68608-26-4	Sulfonic acids, petroleum, sodium salts				
	oral	LD50 > 5001 mg/kg	Rat	Echa	OECD Guideline 401
	dermal	LD50 > 5001 mg/kg	Rat	Echa	OECD Guideline 402
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl				
	oral	LD50 2733 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rabbit		OECD 402
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 3305 mg/kg	Rat		
	dermal	LD50 2764 mg/kg	Rabbit		
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE 450 mg/kg			
	dermal	LD50 > 2001 mg/kg	Rat		
	inhalation dust/mist	ATE 0,21 mg/l			
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 1515 mg/kg	Rat		
	dermal	LD50 1025 mg/kg	Rabbit	IUCLID	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
2682-20-4	2-methylisothiazol-3(2H)-one				
	oral	LD50 120-249 mg/kg	Rat	ECHA	EPA OPPTS 870.1100
	dermal	LD50 242 mg/kg	Rat	ECHA	Standard acute method
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

#### Irritation and corrosivity



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 12 of 18

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

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

Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: 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

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

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the 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

Harmful to aquatic life with long lasting effects.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migra Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 13 of 18

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Dickkopfelritze		
	Acute algae toxicity	ErC50 > 100 mg/l		Grünalgen		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		
	Crustacea toxicity	NOEC 10,0 mg/l	21 d	Daphnia magna		
770-35-4	1-phenoxypropan-2-ol					
	Acute fish toxicity	LC50 280 mg/l	96 h	Pimephales promelas(		OECD 203
	Acute algae toxicity	ErC50 74,5 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 370 mg/l	48 h	Daphnia magna		OECD 202
68511-37-5	Poly(oxy-1,2-ethanediy),alpha-hydro-omega-hydroxy-,mono-C12-14-alkyl ethers, phosphates					
	Acute fish toxicity	LC50 5,7 mg/l	96 h	Leuciscus idus (Goldorfe)		OECD 203
	Acute crustacea toxicity	EC50 0,33 mg/l	48 h	Daphnia magna (Großer Wasserfloh)		OECD 202
68608-26-4	Sulfonic acids, petroleum, sodium salts					
	Acute fish toxicity	LC50 > 10000 mg/l	96 h	marine species		
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	freshwater algae		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl					
	Acute fish toxicity	LC50 4,5 mg/l	96 h	Danio rerio	Echa	
	Acute crustacea toxicity	EC50 2,7 mg/l	48 h	Daphnia magna		
	Acute bacteria toxicity	EC50 3,57 mg/l ( )	3 h	Pseudokirchneriella subcapitata		
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 2500 mg/l	96 h	Leopomis macrochirus		static methode
	Acute algae toxicity	ErC50 > 100 mg/l	96 h	Scenedesmus subspicatus		static methode
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		static methode
	Acute bacteria toxicity	EC50 > 1000 mg/l ( )				static methode 0,1d
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one					
	Acute fish toxicity	LC50 1,5 mg/l	96 h	Oncorhynchus mykiss		
	Acute algae toxicity	ErC50 0,108 mg/l	96 h	Algae		
	Acute crustacea toxicity	EC50 0,99 mg/l	48 h	Daphnia magne		
141-43-5	2-aminoethanol; ethanolamine					
	Acute fish toxicity	LC50 150 mg/l	96 h	Oncorhynchus mykiss	IUCLID	



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 14 of 18

	Acute algae toxicity	ErC50	22 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna		
2682-20-4	2-methylisothiazol-3(2H)-one						
	Acute fish toxicity	LC50 mg/l	4,77	96 h	Oncorhynchus mykiss	ECHA	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	0,157	72 h	Grünalge	ECHA	
	Acute crustacea toxicity	EC50 mg/l	0,934	48 h	Daphnia magna	ECHA	OECD Guideline 202
	Algae toxicity	NOEC mg/l	0,05	72 d	Pseudokirchneriella subcapitata		
	Crustacea toxicity	NOEC mg/l	0,044	21 d	Daphnia magna	ECHA	OECD Guideline 211
	Acute bacteria toxicity	EC50 mg/l ( )	34,6	3 h	Pseudokirchneriella subcapitata		OECD Guideline 201

### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified			
	OECD TG 301 B	30%	28	
	Inhärenter Schlamm	30 %	28	
770-35-4	1-phenoxypropan-2-ol			
	OECD 301 F	72%		
	Easily biodegradable (concerning to the criteria of the OECD)			
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl			
	OECD 301D	75%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
	OECD 301B	70-75 %	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
	OECD 301C / ISO 9408	89 %	28	
	Product is biodegradable.			
	OECD 302B	100 %	28	
	Product is biodegradable.			
	OECD TG 301 E	94 %	28	
	Product is biodegradable.			

### 12.3. Bioaccumulative potential

The product has not been tested.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 15 of 18

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
770-35-4	1-phenoxypropan-2-ol	1,41
68608-26-4	Sulfonic acids, petroleum, sodium salts	22,12
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	3,18
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0,29
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	0,7
141-43-5	2-aminoethanol; ethanolamine	-1,91 (25°C)
2682-20-4	2-methylisothiazol-3(2H)-one	-0,486

**BCF**

CAS No	Chemical name	BCF	Species	Source
90-43-7	2-phenylphenol (ISO)biphenyl-2-ol; 2-hydroxybiphenyl	22		
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	6,95		

**12.4. Mobility in soil**

in delivery condition: liquid

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
No information available.

**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**

Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.  
Dispose of contents/container to an appropriate recycling or disposal facility. Consult the local waste disposal expert about waste disposal.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens; hazardous waste

**List of Wastes Code - used product**

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens; hazardous waste

**SECTION 14: Transport information****Land transport (ADR/RID)**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Jokisch Migma Tano DSG

Revision: 02.02.2025

Product code: 66

Page 16 of 18

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	No dangerous good in sense of these transport regulations.

#### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	No dangerous good in sense of these transport regulations.

#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

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

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

#### 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

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 75

##### 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

#### Changes

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 17 of 18

**Abbreviations and acronyms**

Acute Tox. 2: Acute toxicity, hazard category 2  
Acute Tox. 3: Acute toxicity, hazard category 3  
Acute Tox. 4: Acute toxicity, hazard category 4  
Asp. Tox. 1: Aspiration hazard, hazard category 1  
Skin Corr. 1B: Skin corrosion, sub-category 1B  
Skin Irrit. 2: Skin irritation, hazard category 2  
Eye Dam. 1: Serious eye damage, hazard category 1  
Eye Irrit. 2: Eye irritation, hazard category 2  
Skin Sens. 1: Skin sensitisation, hazard category 1  
Skin Sens. 1A: Skin sensitisation, hazard category 1A  
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3  
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%  
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. - Reproduktionstoxizität  
Asp. Tox. - Aspirationstoxizität  
Acute Tox. - Akute Toxizität  
Aquatic Acute - Akute aquatische Toxizität  
Aquatic Chronic - Chronische aquatische Toxizität  
Eye Dam. - Augenschaden/-reizung  
Eye Irrit. - Augenreizung

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Tano DSG**

Revision: 02.02.2025

Product code: 66

Page 18 of 18

Skin Corr. - Ätzwirkung auf die Haut  
Skin Irrit. - Hautreizung  
Skin Sens. - Hautallergen  
Resp. Sens. - Inhalationsallergen  
STOT SE - Spezifische Zielorgan-Toxizität - einmalige Exposition  
STOT RE - Spezifische Zielorgan-Toxizität - wiederholte Exposition  
VOC - Flüchtige organische Verbindungen

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

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

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
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.  
EUH071 Corrosive to the respiratory tract.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, 2-methylisothiazol-3(2H)-one. 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.  
Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

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