

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Stradakol färbig

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

#### 1.1. Product identifier

Stradakol färbig

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

##### Use of the substance/mixture

Construction chemicals

Professional uses, Industrial use

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

Company name: VIALIT Asphalt GesmbH & Co KG

Street: Josef Reiter Straße 78

Place: A-5280 Braunau

Telephone: +43 7722/62977-0

E-mail: office@vialit.at

Internet: www.vialit.at

### SECTION 2: Hazards identification

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

##### Regulation (EC) No 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 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

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

Use of the substance/mixture: Release of: Silicon dioxide (SiO<sub>2</sub>), crystalline

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0.036 %
	220-120-9	613-088-00-6	01-2120761540-60	
	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			
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			< 0.0015 %
	911-418-6	613-167-00-5	01-2120764691-48	
	Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071			

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

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

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.036 %
		inhalation: ATE 0,21 mg/l (dusts or mists); oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
55965-84-9	911-418-6	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	< 0.0015 %
		inhalation: LC50 = 0,33 mg/l (dusts or mists); dermal: LD50 = 87,12 mg/kg; oral: LD50 = 64 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

First aider: Pay attention to self-protection!  
When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). When in doubt or if symptoms are observed, get medical advice.

### 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.

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

Non-flammable.  
In case of fire may be liberated: Pyrolysis products, toxic

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

#### General advice

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

#### For non-emergency personnel

Provide adequate ventilation. Remove persons to safety. Use personal protection equipment.

#### For emergency responders

Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Avoid release to the environment.

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

#### For containment

Stop leak if safe to do so. Cover drains.

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Clean contaminated articles and floor according to the environmental legislation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Take off contaminated clothing. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Protect against: Frost

Protect from direct sunlight.

### 7.3. Specific end use(s)

Construction chemicals

Professional uses, Industrial use

## 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
-	Dusts non-specific, respirable	-	4		TWA (8 h)	
-	Dusts non-specific, total inhalable	-	10		TWA (8 h)	
1309-37-1	Iron oxide, fume (as Fe)	-	5		TWA (8 h)	
		-	10		STEL (15 min)	

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### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
1332-58-7	Kaolin, respirable dust	-	2.0		TWA (8 h)	
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	
57-55-6	Propane-1,2-diol, total (vapour and particulates)	150	470		TWA (8 h)	
14808-60-7	Quartz, respirable dust (crystalline silica)	-	0.1		TWA (8 h)	
1309-37-1	Rouge, respirable dust	-	4		TWA (8 h)	
1309-37-1	Rouge, total inhalable dust	-	10		TWA (8 h)	

### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1309-37-1	Diiron trioxide			
Worker DNEL, long-term		inhalation	local	3 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Handling larger quantities (Filling and transfer): Use eye protection according to EN 166.

##### Hand protection

Handling larger quantities (Filling and transfer): Wear suitable gloves tested to EN374.

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 supplier of these gloves.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Usually no personal respirative protection necessary.

Respiratory protection necessary at: insufficient ventilation, exceeding exposure limit values

##### Thermal hazards

No information available.

##### Environmental exposure controls

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid, pasty
Colour:	According to product specification
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined

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Decomposition temperature:	not determined
pH-Value:	7,5 - 8,5
Viscosity / kinematic (at 40 °C):	250 - 500 mm²/s
Water solubility:	miscible
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,2 g/cm³
Relative vapour density:	not determined
Particle characteristics:	not applicable

### 9.2. Other information

No information available.

## 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

No known hazardous reactions.

### 10.4. Conditions to avoid

Frost  
Protect from direct sunlight.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic

## 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) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE 450 mg/kg			
	inhalation dust/mist	ATE 0,21 mg/l			
55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
	oral	LD50 64 mg/kg	Rat	ECHA	
	dermal	LD50 87,12 mg/kg	Rabbit	ECHA	
	inhalation (4 h) dust/mist	LC50 0,33 mg/l	Rat	ECHA	

### Irritation and corrosivity

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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, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). 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.

#### Information on likely routes of exposure

oral, Skin contact, Eye contact.

aerosol or mist formation: Inhalation

### 11.2. Information on other hazards

#### Endocrine disrupting properties

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

## SECTION 12: Ecological information

### 12.1. Toxicity

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

The product is not: Ecotoxic.

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 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.

The product has not been tested.

### 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

No information available.

#### Further information

Avoid release to the environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<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 this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

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

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

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No information available.

### 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 75

Directive 2010/75/EU on industrial emissions: < 0,1 %

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile



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Water hazard class (D): work protection guideline' (94/33/EC).  
1 - slightly hazardous to water

#### Additional information

Observe in addition any national regulations!

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Abbreviations and acronyms

Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Eye Dam: Eye damage  
Skin Sens: Skin sensitisation  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
EU: European Union  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
REACH: Registration, Evaluation and Authorization of Chemicals  
UN: United Nations  
PBT: Persistent, Bioaccumulative, Toxic  
SVHC: Substance of Very High Concern  
vPvB: very Persistent, very Bioaccumulative  
ATE: Acute Toxicity Estimates  
BCF: Bio-Concentration Factor  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
VOC: Volatile Organic Compounds  
DIN: Deutsches Institut für Normung e.V. (German Institute for Standardization)  
EN: European Standard  
ISO: International Organization for Standardization  
IUCLID: International Uniform Chemical Information Database  
LC50: Lethal Concentration, 50 %  
LD50: Lethal Dose, 50 %  
LL50: Lethal Loading, 50 %  
OECD: Organisation for Economic Co-operation and Development  
EC50: Effective Concentration 50 %  
M-Faktor: Multiplication Factor  
EL50: Effect Loading, 50 %  
ErC50: Effective Concentration 50 %, growth rate  
M-Faktor: Multiplication Factor  
NOEC: No Observed Effect Concentration  
ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)  
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
DGR: Dangerous Goods Regulations  
EmS: Emergency Schedules  
IATA: International Air Transport Association  
IBC: Intermediate Bulk Container  
ICAO: International Civil Aviation Organization  
IE: Industrial Emissions  
IMDG: International Maritime Code for Dangerous Goods  
LQ: Limited Quantity



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MARPOL: International Convention for the Prevention of Marine Pollution from Ships

MFAG: Medical First Aid Guide

RID: Regulations concerning the International carriage of Dangerous goods by rail

TI: Technical Instructions

#### Key literature references and sources for data

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal 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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic 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, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

#### 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.

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