

## SECTION 1: IDENTIFICATION

### Identification of the company

MIXOL-PRODUKTE Diebold GmbH  
Carl-Zeiss-Str. 17-19  
73230 Kirchheim/Teck  
Phone: 0049 / 7021 / 950090  
Fax: 0049 / 7021 / 56030

### Information to substance / preparation

Division: Technics  
Phone: +49(0)7021 / 950090  
E-mail: [Technik@mixol.de](mailto:Technik@mixol.de)

### Emergency tel.number

Emergency CONTACT (24-Hour-Number)  
GBK/Infotrac ID 107633: (USA DOMESTIC) 1 800 535 5053 or  
International (001) 352 323 3500

### Trade name

MIXOL<sup>®</sup> No. 1 Schwarz (Black)

### Primary product use

Colouring agent

### Chemical family

C.I. Pigment Black 7 and Calciumcarbonate in aqueous dispersion,  
containing Polyglykol- and 1,2-Propandiol.

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Germ cell mutagenicity: Category 2  
Carcinogenicity: Category 2  
Specific target organ toxicity  
- single exposure: Category 3 (Respiratory system)

### GHS Label element

Hazard pictograms:



Signal word: Warning  
Warning

Hazard statements: H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
May form combustible dust concentrations  
in air.

Precautionary statements **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions  
have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/  
vapours/ spray.  
P271 Use only outdoors or in a well-ventilated  
area.  
P280 Wear protective gloves/ protective clothing/  
eye protection/ face protection.

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P233	Keep container tightly closed.
<b>Response:</b> P304 + P340 + P312	<b>IF INHALED:</b> Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P308 + P313	<b>IF exposed or concerned:</b> Get medical advice/ attention.
<b>Storage:</b> P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
<b>Disposal:</b> P501	Dispose of contents/ container to an approved waste disposal plant.

## Other hazards

None known.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (%)
C.I. Pigment Black 7	1333-86-4	>=<=20

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4: FIRST AID MEASURES

### General advice

Get medical advice / attention if you feel unwell.

### If inhaled

Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.

### In case of skin contact

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

### In case of eye contact

Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

### If swallowed

If conscious, give the victim plenty of water to drink.  
Consult a physician.  
Never give anything by mouth to an unconscious person.

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

None known.

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**Notes to physician**

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****Suitable extinguishing media**

Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam

**Unsuitable extinguishing media**

High volume water jet

**Specific hazards during firefighting**In case of fires, hazardous decomposition products may be produced such as:

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

**Further information**

Wear suitable protective equipment.

**Special protective equipment for firefighters**

Self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Wear suitable personal protective equipment.  
Information regarding Safe handling, see chapter 7.

**Environment precautions**

The product should not be allowed to enter drains, water courses or the soil.

**Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Treat recovered material as described in the section "Disposal considerations".

**SECTION 7: HANDLING AND STORAGE****Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

**Advice on safe handling**

Use personal protective equipment.  
Avoid breathing dust.  
Avoid contact with skin and eyes.  
Wash thoroughly after handling.  
Store in a dry place.  
Keep away from heat.  
Store in original container.  
Keep container tightly closed.

**Technical measures/Precautions**

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.  
Keep away from flames and sparks.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Amorphous silicon dioxide	7631-86-9	TWA	6 mg/m <sup>3</sup>	NIOSH REL
		TWA	20 Million particles per cubic foot	OSHA Z-3
	Further information: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques., mppcf X 35.3 = million particles per cubic meter = particles per c.c			

**Engineering measures**

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**

Respiratory protection:

Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection Remarks:

Butyl Rubber, PVC or Neoprene.

Eye protection:

Safety glasses or chemical splash goggles.

Skin and body protection:

Wear suitable protective equipment.

Protective measures:

Wear suitable protective equipment.

Hygiene measures:

Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product.

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Appearance:	liquid
Colour:	black
Odour:	not significant
Odour threshold:	not required
pH value:	not measured
Boiling point:	approx. 100 °C
Flash point:	> 100 °C
Evaporation rate:	not determined
Flammability:	not determined
Lower explosion limit:	not determined
Upper explosive limit:	not determined
Combustion number:	not applicable
Vapour pressure:	not determined
Relative vapour density:	not determined
Relative Density:	no data available

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Density:	1,22 g/cm <sup>3</sup>
Solubility in water:	miscible
Octanol/ water partition n-coefficient (log Pow):	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	> 100 °C
Viscosity (dynamic):	not applicable
Oxidizing properties:	no data available
Melting point:	Not applicable
Molecular weight:	no data available

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**SECTION 10: STABILITY AND REACTIVITY****Reactivity**

No dangerous reaction known under conditions of normal use.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.  
Stable.

**Conditions to avoid**

None known.

**Incompatible Materials**

No data available.

**Hazardous decomposition products**

No decomposition if stored and applied as directed.

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**SECTION 11: TOXICOLOGIC INFORMATION****Acute toxicity**Product:

Acute oral toxicity:	Remarks: no data available
Acute inhalation toxicity:	Remarks: no data available
Acute dermal toxicity:	Remarks: no data available

Components:

## C.I. Pigment Black 7:

Acute oral toxicity:	LD50 (Rat, male and female): > 8,000 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity:	LC50 (Rat): > 0,0046 mg/l Exposure time: 4 h Method: Other GLP: No information available
Acute dermal toxicity:	Remarks: not reasonable

**Skin corrosion/irritation**Product:

Species:	EPISKIN Human Skin Model Test
Method:	OECD Test Guideline 439
Result:	No skin irritation
Remarks:	The toxicological data has been taken from products of similar composition.

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Components:

C.I. Pigment Black 7:

Species:	Rabbit
Exposure time:	24 h
Method:	OECD Test Guideline 404
Result:	No skin irritation
GLP:	no

**Serious eye damage/eye irritation**Product:

Species:	Bovine cornea
Result:	No eye irritation
Method:	OECD Test Guideline 437
Remarks:	The toxicological data has been taken from products of similar composition.

Species:	rabbit eye
Result:	No eye irritation
Method:	OECD Test Guideline 405
Remarks:	The toxicological data has been taken from products of similar composition.

Components:

C.I. Pigment Black 7:

Species:	Rabbit eye
Result:	No eye irritation
Method:	OECD Test Guideline 405
GLP:	no

**Respiratory or skin sensitisation**Product:

Remarks:	no data available
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Components:

C.I. Pigment Black 7:

Test Type:	Buehler Test
Exposure routes:	Skin contact
Species:	Guinea pig
Method:	OECD Test Guideline 406
Result:	non-sensitizing
GLP:	yes

**Germ cell mutagenicity**Product:

Genotoxicity in vitro:	Remarks: no data available
Germ cell mutagenicity – Assessment:	No information available.

Components:

C.I. Pigment Black 7:

Genotoxicity in vitro:	
Test Type:	Ames test
Species:	Salmonella typhimurium
Metabolic activation:	with and without
Method:	OECD Test Guideline 471
Result:	negative
GLP:	yes
Test Type:	Ames test
Species:	Escherichia coli

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Metabolic activation:	with and without
Method:	OECD Test Guideline 471
Result:	negative
GLP:	yes
Genotoxicity in vivo:	Result: ambiguous
Germ cell mutagenicity - Assessment:	Weight of evidence does not support classification as a germ cell mutagen.

**Carcinogenicity**Product:

Carcinogenicity - Assessment: No information available.

Components:

C.I. Pigment Black 7:

Carcinogenicity - Assessment: Not classifiable as a human carcinogen.

**Reproductive toxicity**Product:Reproductive toxicity –  
Assessment:

No information available.

Components:

C.I. Pigment Black 7:

Effects on fertility:

Remarks: The study is not necessary from a scientific perspective.

Effects on foetal  
development:

Remarks: The study is not necessary from a scientific perspective.

Reproductive toxicity -  
Assessment:No reproductive toxicity to be expected.  
No teratogenic effects to be expected.**STOT - single exposure**Product:

Remarks:

no data available

Components:

C.I. Pigment Black 7:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**Product:

Remarks:

no data available

Components:

C.I. Pigment Black 7:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity**Product:

Remarks:

This information is not available.

Components:

C.I. Pigment Black 7:

Species:

Rat, female

NOAEL:

52 mg/kg

Application Route:

oral (feed)

Exposure time:

1 a - 2 a

Number of exposures:

daily

Dose:

2,05 g/kg of chow diet

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Group: yes  
 Method: Repeated Dose Toxicity (chronic Toxicity)  
 GLP: No information available.  
 Remarks: The product is non-toxic.

Species: Rat, male  
 NOAEL: 0.0011 mg/l  
 LOAEL: 0.0071 mg/l  
 Application Route: Inhalation  
 Exposure time: 13 w  
 Number of exposures: 6 h per day; 5 d per week  
 Dose: 1,1 - 7,1 - 52,8 mg/m<sup>3</sup>  
 Group: yes  
 Method: OECD Test Guideline 413  
 GLP: No information available.

Species: Mouse, male and female  
 Application Route: Skin contact  
 Exposure time: 12-18 m  
 Number of exposures: 3 times per week  
 Dose: 20 % carbon black suspensions  
 Group: yes  
 Method: Repeated Dose Toxicity (chronic Toxicity)  
 GLP: no  
 Remarks: The product is non-toxic.

**Aspiration toxicity**

Product:  
 no data available

Components:  
 C.I. Pigment Black 7: No aspiration toxicity classification

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**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Product:  
 Toxicity to fish: Remarks: no data available  
 Toxicity to daphnia and other aquatic invertebrates: Remarks: no data available  
 Toxicity to algae: Remarks: no data available  
 Toxicity to fish (Chronic toxicity): Remarks: no data available  
 Toxicity to bacteria: Remarks: no data available

Components:  
 C.I. Pigment Black 7:  
 Toxicity to fish: LC0 (Brachydanio rerio (zebrafish)): 1,000 mg/l  
 Exposure time: 96 h  
 Test Type: semi-static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 203  
 GLP: yes  
 Remarks: The details of the toxic effect relate to the nominal concentration.



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Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 5,600 mg/l  
Exposure time: 24 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

NOEC (Daphnia magna (Water flea)): 3,200 mg/l  
Exposure time: 24 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae:

EC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 10,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): > 10,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to fish (Chronic toxicity): Remarks: not reasonable

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): Remarks: not reasonable

Toxicity to bacteria:

EC0 (activated sludge, domestic): > 400 mg/l  
Exposure time: 3 h  
Test Type: static test  
Analytical monitoring: no  
Method: DEV L 3  
GLP: no

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Remarks: The details of the toxic effect relate to the nominal concentration.

Sediment toxicity: Remarks: not applicable

## Persistence and degradability

### Product:

Biodegradability: Remarks: no data available

### Components:

C.I. Pigment Black 7:

Biodegradability: Remarks: not applicable

## Bioaccumulative potential

### Product:

Bioaccumulation: Remarks: no data available

### Components:

C.I. Pigment Black 7:

Bioaccumulation: Remarks: not applicable.

## Mobility in soil

### Components:

C.I. Pigment Black 7:

Mobility: Remarks: Known distribution to environmental compartments

Distribution among environmental compartments: Adsorption/Soil Medium: water – soil Remarks: not applicable

## Other adverse effects

### Product:

Environmental fate and pathways: Remarks: no data available

Additional ecological information: no data available

### Components:

C.I. Pigment Black 7:

Environmental fate and pathways: not available

Results of PBT and vPvB assessment: The substance is not identified as a PBT or as a vPvB substance.

Additional ecological information: Do not allow to enter ground water, waterways or waste water.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues: Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging: This material and its container must be disposed of in a safe way.

## SECTION 14: TRANSPORT INFORMATION

DOT: not restricted

IATA: not restricted

IMDG: not restricted

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**SECTION 15: REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards:**

No SARA Hazards

**SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:**

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act**

Contains no known priority pollutants at concentrations greater than 0.1 %.

**The components of this product are reported in the following inventories**

TSCA: On TSCA Inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16: OTHER INFORMATION****Further information**

Revision Date:

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

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