

SECTION 1: IDENTIFICATION

Identification of the company

MIXOL-PRODUKTE Diebold GmbH
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Information to substance / preparation

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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[®] 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.

Safety Data Sheet

Version for USA

Creation Date: 05/10/2016

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 2/11

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.
Response: P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
Storage: P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
Disposal: 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.

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 3/11

Notes to physician

Treat symptomatically.

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

Water spray jet
Dry powder
Carbon dioxide (CO₂)
Alcohol-resistant foam

Unsuitable extinguishing media

High volume water jet

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

Carbon oxides
Nitrogen oxides (NO_x)

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 ³	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

Tradename: MIXOL® No. 1 Schwarz (Black)

page 5/11

Density:	1,22 g/cm ³
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

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.

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.

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 6/11

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 irritationProduct:

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 sensitisationProduct:

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 mutagenicityProduct:

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

Safety Data Sheet

Version for USA

Creation Date: 05/10/2016

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 7/11

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

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 8/11

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/m³
 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

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.

Safety Data Sheet

Version for USA

Creation Date: 05/10/2016

Tradename: MIXOL[®] No. 1 Schwarz (Black)

page 9/11

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

Safety Data Sheet

Version for USA

Creation Date: 05/10/2016

Tradename: MIXOL® No. 1 Schwarz (Black)

page 10/11

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

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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