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**Tradename: MIXOL<sup>®</sup> No. 9 Blau (Blue)**

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**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. 9 Blau (Blue)

**Primary product use**

Colouring agent

**Chemical family**

C.I. Pigment Blue 15 and Calciumcarbonate in aqueous dispersion,  
containing Polyglykol- and 1,2-Propandiol.

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**SECTION 2: HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture.

**GHS Label element**

Not a hazardous substance or mixture.

**Other hazards**

None known.

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**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Substance/Mixture: Mixture

**Hazardous components**

This material is not considered hazardous by the OSHA Hazard Communication Standard  
(29 CFR 1910.1200).

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**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.

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**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.

**Notes to physician**

Treat symptomatically.

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**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 firefighting:

**Special protective equipment for firefighters**

Self-contained breathing apparatus.

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

Wear suitable personal protective equipment.

**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".

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**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.

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**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			
Propylene Glycol	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL
Calcium carbonate	471-34-1	TWA (respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL

Components	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Copper (as an integral part of dye molecule)	7440-50-8	TWA	1 mg/m <sup>3</sup> (Copper)	ACGIH
	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA (dust and mists)	1 mg/m <sup>3</sup> (Copper)	NIOSH REL
		TWA	1 mg/m <sup>3</sup> (Copper)	OSHA Z-1
		TWA	1 mg/m <sup>3</sup> (Copper)	OSHA P0
		TWA	0,2 mg/m <sup>3</sup> (Copper)	ACGIH
	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA	0,1 mg/m <sup>3</sup> (Copper)	OSHA Z-1
		TWA	0,1 mg/m <sup>3</sup> (Copper)	OSHA P0
		TWA (dust and mists)	1 mg/m <sup>3</sup> (Copper)	ACGIH
	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA (Fumes)	0,2 mg/m <sup>3</sup> (Copper)	ACGIH
	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA (Dust)	1 mg/m <sup>3</sup> (Copper)	NIOSH REL

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		TWA (dust and mists)	1 mg/m <sup>3</sup> (Copper)	NIOSH REL
		TWA (Mist)	1 mg/m <sup>3</sup> (Copper)	NIOSH REL
		TWA (dust and mists)	1 mg/m <sup>3</sup> (Copper)	OSHA Z-1
		TWA (Fumes)	0,1 mg/m <sup>3</sup> (Copper)	OSHA Z-1
		TWA (Fumes)	0,1 mg/m <sup>3</sup> (Copper)	OSHA P0
		TWA (dust and mists)	1 mg/m <sup>3</sup> (Copper)	OSHA P0

## 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:	blue
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
Density:	1,22 g/cm <sup>3</sup>
Solubility in water:	miscible

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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.

**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

**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.

**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.

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## Respiratory or skin sensitisation

Product:

Remarks: no data available

## Germ cell mutagenicity

Product:

Genotoxicity in vitro: Remarks: no data available

Germ cell mutagenicity –

Assessment: No information available.

## Carcinogenicity

Product:

Carcinogenicity - Assessment: No information available.

## Reproductive toxicity

Product:

Reproductive toxicity –

Assessment: No information available.

## STOT - single exposure

Product:

Remarks: no data available

## STOT - repeated exposure

Product:

Remarks: no data available

## Repeated dose toxicity

Product:

Remarks: This information is not available.

## Aspiration toxicity

Product:

no data available

## 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

### Persistence and degradability

Product:

Biodegradability: Remarks: no data available

### Bioaccumulative potential

Product:

Bioaccumulation: Remarks: no data available

### Mobility in soil

no data available

### Other adverse effects

Product:

Environmental fate and pathways: Remarks: no data available

Additional ecological information: no data available

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## 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

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Copper	7440-50-8	5000	

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

#### SARA 311/312 Hazards:

Acute Health Hazard  
Chronic Health Hazard

#### SARA 302:

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

#### SARA 313:

Effective June 24, 1991, C.I. pigment blue 15, CAS number 147-14-8; C.I. pigment green 7, CAS number 1328-53-6; and C.I. pigment green 36, CAS number 14302-13-7 are exempt from reporting requirements under the category copper compounds from the list of toxic chemicals under Section 313 of the Emergency Planning and Community Right-To-Know Act. Although these compounds have been delisted, this product still contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are show below. This information must be included in all MSDSs that are copied and distributed for this material.

#### 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)

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**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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