

**Tradename: MIXOL<sup>®</sup> No. 14 Oxyd-Grün (Oxide-Green)**

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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. 14 Oxyd-Grün (Oxide-Green)

### Primary product use

Colouring agent

### Chemical family

C.I. Pigment Green 17, Green 7, Yellow 42, Black7 and  
Calciumcarbonate in aqueous dispersion, containing Polyglykol- and 1,2-Propandiol.

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Specific target organ toxicity  
- repeated exposure  
(Inhalation): Category 2  
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  
H341  
H351

May cause respiratory irritation.  
Suspected of causing genetic defects.  
Suspected of causing cancer.  
May form combustible dust concentrations  
in air.  
H373 May cause damage to organs (Lungs)  
through prolonged or repeated exposure.

Precautionary statements **Prevention:**  
P201  
P202

Obtain special instructions before use.  
Do not handle until all safety precautions  
have been read and understood.

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P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
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.
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.
P314	Get medical advice/ attention if you feel unwell.

## 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.
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## Other hazards

None known.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (%)
C.I. Pigment Green 17	1308-38-9	>= <= 60
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.

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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 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.  
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".

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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.

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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			
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

### 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:	green
Odour:	not significant
Odour threshold:	not required

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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:	1,70 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

## 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 Green 17:	
Acute inhalation toxicity:	LC50 (Rat): > 5.41 mg/l Exposure time: 4 h Method: OECD Test Guideline 403

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**Skin corrosion/irritation**Product:

Remarks: No data available.

Components:

C.I. Pigment Green 17:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

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

Remarks: No data available.

Components:

C.I. Pigment Green 17:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

**Respiratory or skin sensitisation**Product:

Remarks: no data available

Components:

C.I. Pigment Green 17:

Species: Guinea Pig

Result: No eye irritation

Method: OECD Test Guideline 406

Result: non-sensitizing

**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.

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## Components:

C.I. Pigment Green 17:

Species: Rat  
NOAEL: 2,000 mg/kg  
Application Route: Oral

Species: Rat  
LOAEL: 0.044 mg/l  
Application Route: Inhalation

## **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

#### Components:

C.I. Pigment Green 17:

Toxicity to fish: LC50 (Danio rerio (zebra fish)): > 10,000 mg/l  
Test Type: static test  
Method: ISO 7346/1

Toxicity to algae: (Desmodesmus subspicatus (green algae)): 0.47 mg/l  
Method: OECD Test Guideline 201

### **Persistence and degradability**

#### Product:

Biodegradability: Remarks: no data available

### **Bioaccumulative potential**

#### Product:

Bioaccumulation: Remarks: no data available

#### Components:

C.I. Pigment Green 17:

Bioaccumulation: Remarks: Bioaccumulation is unlikely.

### **Mobility in soil**

#### Components:

C.I. Pigment Green 17:

Distribution among environmental compartments: Remarks: 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.

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**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:**

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:**

This product 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 shown below. This information must be included in all MSDS's that are copied and distributed for this material.

Chromium (as an integral part of the dye or pigment molecule)	7440-47-3	48 %
Chromium (III) Compound	Not Assigned	70 %

**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**

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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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