

Tradename: MIXOL® No. 2 Umbra (Umber)

page 1/1

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

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. 2 Umbra (Umber)

Primary product use

Colouring agent

Chemical family

C.I. Pigment Yellow 42, Red 101, Black 26, Black 7 and Calciumcarbonate in aqueous dispersion, containing Polyglykol- and 1,2-Propandiol.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Carcinogenicity: Category 2

GHS Label element

Hazard pictograms:



Signal word: Warning

Hazard statements: H351 Suspected of causing cancer.

Precautionary statements

Prevention:

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P308 + P313

IF exposed or concerned:
Get medical advice/ attention.

Storage:

P405

Store locked up.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 2/2

Other hazards

The following percentage of the mixture consists of ingredient(s) **with** unknown acute toxicity:
31.29 %

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Substance/Mixture: Pigments in aqueous dispersion.

Hazardous components

Chemical name	CAS-No.	Concentration (%)
C.I. Pigment Black 7	1333-86-4	>=<=1

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.

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 firefighting

In case of fires, hazardous decomposition products may be produced such as:

Carbon oxides

Nitrogen oxides (NO_x)

Further information

Wear suitable protective equipment.

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 3/3

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

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: **MIXOL® No. 2 Umbra (Umbra)**

page 4/4

Components	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Pigment Black 7	1333-86-4	TWA	3,5 mg/m ³	ACGIH
	Further information: Adopted values or notations enclosed are those for which changes are proposed in the NIC, See Notice of Intended Changes (NIC), Not classifiable as a human carcinogen			
		TWA	3,5 mg/m ³	NIOSH REL
		TWA	3,5 mg/m ³	OSHA Z-1
		TWA	3,5 mg/m ³	OSHA P0
		TWA	0,1 mg/m ³ (PHAs)	NIOSH REL
	Further information: Potential Occupational Carcinogen, Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs), See Appendix C, See Appendix A			
		TWA (Inhalable fraction)	3 mg/m ³	ACGIH
	Further information: Bronchitis, Confirmed animal carcinogen with unknown relevance to humans			
		PEL	3,5 mg/m ³ (Copper)	CAL PEL

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:	grey-brown
Odour:	not significant
Odour threshold:	not required
pH value:	not measured
Boiling point:	approx. 100 °C

Tradename: MIXOL[®] No. 2 Umbra (Uمبر)

page 5/5

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:	1,65 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:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

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

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 6/6

Skin corrosion/irritation

Product:

Remarks:

Remarks: no data available

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

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

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 7/7

Result:	negative
GLP:	yes
Test Type:	Ames test
Species:	Escherichia coli
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

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: MIXOL® No. 2 Umbra (Uمبر)

page 8/8

Application Route:	oral (feed)
Exposure time:	1 a - 2 a
Number of exposures:	daily
Dose:	2,05 g/kg of chow diet
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 ³
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: 06/16/2016

Tradename: MIXOL® No. 2 Umbra (Umbra)

page 9/9

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: 06/16/2016

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 10/10

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

Tradename: MIXOL® No. 2 Umbra (Umbra)

page 11/11

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

SECTION 16: OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Safety Data Sheet

Version for USA

Creation Date: 06/16/2016

Tradename: MIXOL[®] No. 2 Umbra (Umbra)

page 12/12

Further information

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

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.

US / EN