

SAFETY DATA SHEET



in acc. with Regulation (EU) No. 453/2010

Revision Date: 08.09.2015 Replace Vers. 06.07.2012

Tradename: MIXOL[®] No. 6 Maisgelb (Maize Yellow)

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SECTION 1: IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Tradename: MIXOL[®] No. 6 Maisgelb (Maize Yellow)

1.2. Relevant identified uses of the substance or mixture and uses advised again

Relevant identified uses of the substance or mixture:

Industry sector: Industrial Performance Chemicals
Paints, lacquers and varnishes industry
Polymers industry
Printing Inks Industry

Type of use: Colourant preparation

1.3. Details of the supplier of the safety data sheet

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 / mixture:

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

1.4. Emergency telephone number

Emergency CONTACT (24 hours-Number) GBK GmbH +49/(0)6132/84463

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance / mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended):

Category of danger	Category Hazard Symbol	H-Phrases
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Not a hazardous substance or mixture.

2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended):

Not a hazardous substance or mixture.

Additional Labelling:

EUH 208 contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one
2-methyl-4-isothiazolin-3-one and
1,2-benzisothiazolin-3-one.

May produce an allergic reaction.

2.3. Other hazards

No hazards to be specially mentioned.

SECTION 3: COMPOSITION / INFORMATION TO INGREDIENTS

3.1. Mixtures

Chemical characterisation:

C.I. Pigment Yellow 83 and Calciumcarbonat in aqueous dispersion, contenting Polyglykol- and 1,2-Propandiol.

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Hazardous ingredients:

Alcohols, C16-18 and C18-unsaturated, ethoxylated (10-14 EO)

Concentration: >= 9,0 - < 11,0 %

CAS number: 68920-66-1

EG number: 500-236-9

GHS classification EC:

Skin irritation	Category 2	H315
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The text of H-phrases is shown in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Discription of first aid measures

General information:

Get medical advice / attention if you feel unwell.

After inhalation:

Move the victim to fresh air.

If you feel unwell, seek medical advice (show the label where possible).

After contact with skin:

In case of contact with skin, clean with plenty of soap and water.

After contact with eyes:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion:

If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed symptoms

Symptoms:

None known.

Hazards:

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet

Dry powder

Carbon dioxide (CO₂)

Alcohol resistant foam

Extinguishing media that must not be used for safety reasons:

High volume water jet

5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed:

Carbon oxides

Nitrogen oxides (NO_x)

Hydrogen chloride

5.3. Advice for firefighters

Special protective equipment for firefighting:

Use self-contained breathing apparatus.

Further information:

Wear suitable protective equipment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures**
Wear suitable personal protective equipment.
- 6.2. Environment precautions**
The product should not be allowed to enter drains, water courses or the soil.
- 6.3. 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".
- 6.4. Reference to other sections**
Additional information:
Information regarding safe handling, see chapter 7.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling**
Advice on safe handling:
When used and handled appropriately no special measures are needed.
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.
Advice on protection against fire and explosion:
Normal measures for preventive fire protection.
- 7.2. Conditions for safe storage, including any incompatibilities**
Further information on storage conditions:
Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.
Keep away from flames and sparks.
Storage stability:
Minimum 36 months.
- 7.3. Specific end use(s)**
No further recommendations.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. Control parameters**
Exposure limit values:
Exposure limit values are not available.
DNEL / DMEL-values:
C.I. Pigment Yellow 83
EC number: 226-939-8
CAS number: 5567-15-7

Route of exposure	Personnel	Exposure time / Effect	Value	Remarks
Dermal	Workers	Long-term systemic effects	45 mg/kg bw/day	DNEL
Inhalation	Workers	Long-term local effects	3 mg/m ³	DNEL
Dermal	General population	Long-term systemic effects	28 mg/kg bw/day	DNEL
Oral	General population	Long-term systemic effects	28 mg/kg bw/day	DNEL

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PNEC-values:

Exposure limit values are not available.

8.2. Exposure controls

Appropriate engineering controls:

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

General protective measures:

Wear suitable protective equipment.

Respiratory protection:

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

Hand protection:

Nitrile rubber

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection:

Safety glasses

Body protection:

Wear suitable protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Form:	liquid
Colour:	yellow
Odour:	not significant
Odour threshold:	not required
pH value:	not measured
Melting point:	not applicable
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
Minimum ignition energy:	not determined
Vapour pressure:	not determined
Vapour density relative to air:	not determined
Relative Density:	no data available
Solubility in water:	miscible
Octanol/ water partition coefficient (log Pow):	not determined
Ignition temperature:	not determined
Thermal decomposition:	> 100 °C
Viscosity (dynamic):	not tested
Oxidizing properties:	no data available

9.2. Other information

Density:	1,16 g/cm ³ (20 °C)
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Stable.

10.4. Conditions to avoid

This product contains a diaryl pigment. These pigments should not be used in polymers where the processing temperature could exceed 200 °C, due to the possibility of thermal decomposition, products of which include traces of aromatic amines. 3,3'-dichlorobenzidine may be formed at temperatures > 200 °C.

3,3'-dichlorobenzidine: listed in Group I, series 1 of Circular no. 40 (12.06.1979) and Circular no. 61 (04.06.1981), Ministry of Labour and Public Safety (Italy)

10.5. Incompatible Materials

No data available.

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGIC INFORMATION

11.1. Information on toxicological effects

Acute oral toxicity: no data available

Acute dermal toxicity: no data available

Acute inhalation toxicity: no data available

Irritant effect on skin: No skin irritation (EPISKIN Human Skin Model Test)
Method: OECD Test Guideline 439

The toxicological data has been taken from products of similar composition.

Irritant effect on eyes: No eye irritation (Bovine cornea)

Method: OECD Test Guideline 437

The toxicological data has been taken from products of similar composition.

No eye irritation (rabbit eye)

Method: OECD Test Guideline 405

The toxicological data has been taken from products of similar composition.

Sensitization: no data available

Repeated dose toxicity: This information is not available.

Genetic toxicity in vitro: no data available

Assessment of mutagenicity: no information available

Assessment of carcinogenicity: no information available

Assessment of toxicity to reproduction: no information available

Specific target organ toxicity

(STOT) - single exposure: no data available

Specific target organ toxicity

(STOT) - repeated exposure: no data available

Aspiration hazard: no data available

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Information related to the product itself:

Fish toxicity:	no data available
Fish toxicity (chronic):	no data available
Daphnia toxicity:	no data available
Algae toxicity:	no data available
Bacteria toxicity:	no data available

12.2. Persistence and degradability

Information related to the product itself:

Biodegradability:	no data available
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12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation:	no data available
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12.4. Mobility in soil

Information related to the product itself:

Behaviour in environmental compartments:	no data available
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12.5. Results of PBT and vPvB assessment

Information related to the product itself:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1 % or higher.

12.6. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks:	no data available
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product:

Dispose of in accordance with the European Directives on waste and hazardous waste.

Uncleaned packaging:

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

SECTION 14: TRANSPORT INFORMATION

14.1. to 14.5.

ADR:	not restricted
ADN:	not restricted
RID:	not restricted
IATA:	not restricted
IMDG:	not restricted

14.6. Special precautions for users

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport as bulk according IBC-Code.

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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: OTHER INFORMATION

Observe the legal requirements nationally and locally.

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H315 Causes skin irritation.

Change compared to the previous version:

Change in the composition

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm³" means "one point three five g/cm³").

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. MIXOL-PRODUKTE Diebold GmbH makes no warranties, express or implied, as to the information accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of MIXOL products for its particular application. Nothing included in this information waives any of MIXOL's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing.

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Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change.

Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing MIXOL products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products.

For additional information, please contact MIXOL-PRODUKTE Diebold GmbH.