

SAFETY DATA SHEET



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

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 1/7

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

1.1. PRODUCT IDENTIFIER

Tradename: MIXOL[®] No. 17 Senf (Mustard)

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

+49/(0)7021/ 950090 (Office hours (8-16 Uhr))

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE / MIXTURE

Classification according EC Directive (67/548/EWG or 1999/45/EG, as amended):

Category of danger	Category Hazard Symbol	R-Phrases
---	---	---

This product is not classified according to EU-Legislation or relevant national law.

2.2. LABEL ELEMENTS

Labeling in accordance with EC Directive (67/548/EWG or 1999/45/EG, as amended):

Hazard warning not compulsory.

2.3. OTHER HAZARDS

Data are not available.

According to the present stand of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

SECTION 3: COMPOSITION / INFORMATION TO INGREDIENTS

3.1. MIXTURES

Chemical characterisation:

C.I. Pigment Black 7, Green 7, Yellow 42, Yellow 3, Red 101 and Calciumcarbonat in aqueous dispersion, contenting Polyglykol- and 1,2-Propandiol

Hazardous ingredients:

Ethoxylated oleyl alcohol

Concentration: $\geq 9,9 - \leq 11,2\%$
CAS number: 9004-98-2
EC number: 500-016-2

Safety Data Sheet

in accordance with Regulation (EU) Nr. 453/2010

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 2/7

Classification hazard substance EC:

Xn	Harmful	R22
Xi	Irritant	R41

GHS classification EC:

Acute toxicity	Categorie 4	H 302
Eye damage	Categorie 1	H 318

The text of R-phrases is shown in section 16.

The text of H-phrases is shown in section 16.

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General information:

Seek medical assistance if discomfort continues.

After inhalation:

Remove the casualty into fresh air and keep him calm.

After contact with skin:

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

After contact with eyes:

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion:

If swallowed do not induce vomiting, seek medical advice and show Safety Data Sheet or label.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED SYMPTOMS

Symptoms:

No symptoms known currently.

Hazards:

No hazards known at this time.

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

alcohol resistant foam

Extinguishing media that must not be used for safety reasons:

none

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In case of fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen chloride (HCL)

Sulphur dioxide (SO₂)

5.3. ADVICE FOR FIREFIGHTERS

Special protective equipment for firefighting

Use self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Wear suitable personal protective equipment.
- 6.2. ENVIRONMENT PRECAUTIONS
Do not allow entry to drains, water courses or soil.
- 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
Take up with absorbent material (e.g. sand, kieselguhr, universal binder).
When picked up, treat material as prescribed under heading „Disposal“.
- 6.4. REFERENCE TO OTHER SECTIONS
Additional information:
Do not let the liquid drain into rivers, ponds or sewer systems.

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.
Advice on protection against fire and explosion:
Observe the general rules of industrial fire protection.
- 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Requirements for storage areas and containers:
Store only in original packaging.
No special measures required.
Advice on storage compatibility:
Not required.
Further information on storage conditions:
Keep container tightly closed in a well ventilated place.
In case of the product became opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.
Protect from heat and direct sunlight.
Storage stability:
Minimum 36 month.
- 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:
DNEL/ DMEL-values are not available.
PNEC-values:
PNEC-values are not available.
- 8.2. EXPOSURE CONTROLS
General protective measures:
Observe the usual precautions for handling chemicals.
Hygiene measures:
Wash hands before break and after work.
Use barrier skin cream.
Remove soiled or soaked clothing immediately and clean thoroughly before using again.

Safety Data Sheet

in accordance with Regulation (EU) Nr. 453/2010

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 4/7

Respiratory protection:

Yes, if TLV value is exceeded.

Filter A (organic gas und vapors) according to DIN EN 141

Hand protection:

Nitril gloves

Minimum breakthrough time(glove): not determined

Minimum thickness (glove): not determined

Observe the information of the glove manufactures on permeability and breakthrough times and other workplace requirements.

Eye protection:

Safety glasses

Body protection:

Working clothes

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Colour:	green
Odour:	not specified
Odour threshold:	not available
pH value:	not measured
Melting point:	not applicable
Boiling point:	approx. 100 °C - based on water-content
Flash point:	not applicable - aqueous solution without volatile components (liquids with Flash Point < 100 °C).
Evaporation rate:	not tested.
Flammability	
Lower explosion limit:	not available
Upper explosive limit:	not available
Combustion number:	not applicable
Vapour pressure:	not tested.
Vapour density relative to air:	not available
Relative Density:	not available
Solubility in water:	miscible
Soluble in fat:	not tested.
Octanol/ water partition coefficient (log Pow):	not applicable
Ignition temperature:	not tested.
Self-ignition temperature:	not tested.
Thermal decomposition:	> 100 °C with dehydration
Viscosity (dynamic):	not tested
Viscosity (kinematic):	not tested.
Explosive properties:	Explosive according to EU supply regulations : No
Oxidizing properties:	not applicable

9.2. OTHER INFORMATION

Density:	1,49 g/cm ³ (20 °C)
Bulk density:	not applicable

Safety Data Sheet

in accordance with Regulation (EU) Nr. 453/2010

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 5/7

SECTION 10: STABILITY AND REACTIVITY

- 10.1. REACTIVITY
see section 10.3. „Possibility of hazardous reactions“
- 10.2. CHEMICAL STABILITY
Stable
- 10.3. POSSIBILITY OF HAZARDOUS REACTIONS
When handled and stored appropriately no dangerous reactions are known.
- 10.4. CONDITIONS TO AVOID
Not known.
- 10.5. INCOMPATIBLE MATERIALS
Not known.
- 10.6. HAZARDOUS DECOMPOSITION PRODUCTS
When handled and stored appropriately no dangerous decompositions are known.

SECTION 11: TOXICOLOGIC INFORMATION

- 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS
 - Acute oral toxicity: LD50 > 2.000 mg/kg
Method: 1999/45/EC
 - Acute dermal toxicity: not available
 - Acute inhalation toxicity: not reasonable
 - Irritant effect on skin: non-irritant
Method: 1999/45/EC
 - Irritant effect on eyes: non-irritant
Method: test result of a related preparation.
 - Sensitization: not available
 - Repeated dose toxicity: not available
 - Assessment of mutagenicity: not available
 - Assessment of carcinogenicity: not available
 - Assessment of toxicity to reproduction: not available
 - Assessment of teratogenicity: not available

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. TOXICITY:
 - Fish toxicity: not available
 - Daphnia toxicity: not available
 - Algae toxicity: not available
 - Bacteria toxicity: not available
 - Toxicity to soil-dwelling organism: not available
 - Toxicity to terrestrial organism: not available
 - Toxicity to other environmentally relevant organism: not available
 - Sediment toxicity: not available
- 12.2. PERSISTENCE AND DEGRADABILITY
 - Physico-chemical eliminability: not available
 - Photodegradation: not available
 - Biodegradability: This property is substance-specific and therefore cannot be given for the preparation.
 - Dissolved Organic carbon (DOC): not applicable
 - Chemical oxygen demand (COD): not applicable
 - Biochemical oxygen demand (BOD5): not applicable

Safety Data Sheet

in accordance with Regulation (EU) Nr. 453/2010

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 6/7

12.3. BIOACCUMULATIVE POTENTIAL

Bioaccumulation: not applicable

12.4. MOBILITY IN SOIL

Transport and distribution between environmental compartments:

No information is available on the mixture "as is". If relevant information is available on the substances listed in chapter 3, it is reported here.

Behaviour in environmental compartments:

No information is available on the mixture "as is". If relevant information is available on the substances listed in chapter 3, it is reported here.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

No data available.

12.6. OTHER ADVERSE EFFECTS

Additional ecotoxicological remarks

Do not allow to enter soil, waterways or waste water.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Product:

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent authorities.

Uncleaned packaging:

Packaging that cannot be cleaned should be disposed as product waste.

SECTION 14: TRANSPORT INFORMATION

14.1. TO 14.5.

ADR: not restricted

ADNR: 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.

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.

Safety Data Sheet

in accordance with Regulation (EU) Nr. 453/2010

Revision Date: 06.07.2012

Tradename: MIXOL[®] No. 17 Senf (Mustard)

page 7/7

SECTION 16: OTHER INFORMATION

Observe national and local legal requirements

TEXT OF THE R-PHRASES ASSIGNED TO THE INGREDIENTS/COMPONENTS MENTIONED IN SECTION 3 :

22	Harmful if swallowed.
41	Risk of serious damage to eyes.

LIST OF THE TEXT OF THE HAZARD STATEMENTS MENTIONED SECTION 3 (H-PHRASES) :

H302	Harmful if swallowed.
H318	Causes serious eye damage.

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.

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.