

# SAFETY DATA SHEET



in accordance with Regulation 1907/2006/EC

Revision Date: 10.02.2010

**Trade name: MIXOL No. 12 Tannengrün (Fir Green)**

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## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

TRADE NAME:

MIXOL No. 12 Tannengrün (Fir Green)

USE OF THE SUBSTANCE / PREPARATION:

Industry sector: Industrial Performance Chemicals  
Paints, lacquers and varnishes industry  
Polymers industry  
Printing Inks Industry  
Type of use: Colourant preparation

IDENTIFICATION OF THE COMPANY:

MIXOL-PRODUKTE  
DIEBOLD GMBH  
Postfach 1119  
73219 KIRCHHEIM/TECK  
Germany  
Phone: 0049/ 7021 / 950090  
Fax: 0049/ 7021 / 56030

INFORMATION ABOUT THE SUBSTANCE/ PREPARATION:

Division Technics  
Phone: 0049/ 7021 / 950090  
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Mail: Technik@mixol.de

EMERGENCY TELEPHONE NUMBER:

0049/ 7021/ 950090 (Office hours (8-16))

## 2. HAZARDS IDENTIFICATION

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

Keep the product out of the reach of children.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION:

C.I. Pigment Yellow 42, Yellow 73, Blue 15:3, Green 7, Black 7 and Ca-carbonate in aqueous dispersion containing propylene glycol, polyglycol and Diethylene glycol

HAZARDOUS INGREDIENTS:

Ethoxylated oleyl alcohol  
Concentration:  $\geq 9,4 - \leq 10,6$  %  
CAS number: 9004-98-2  
Hazard symbols: Xn  
R phrases: 22 41

Diethylene glycol  
Concentration: 0,9 – 1,1 %  
CAS number: 111-46-6  
EINECS number: 203-872-2  
Hazard symbols: Xn  
R phrases: 22

Amines, soya-alkyl-  
Concentration: 0,08 – 0,15 %  
CAS number: 61790-18-9  
EINECS number: 263-112-0  
Hazard symbols: C N  
R phrases: 22 35 50

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

## 4. 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 lukewarm water, at the same time keep the unaffected eye well protected.

### AFTER INGESTION:

Do not induce vomiting.  
Seek medical advice immediately.  
Show safety data sheet or label.

## 5. FIRE FIGHTING MEASURES

### SUITABLE EXTINGUISHING MEDIA:

water spray jet  
dry powder  
carbon dioxide  
alcohol-resistant foam

### EXTINGUISHING MEDIA THAT MUST NOT BE USED FOR SAFETY REASONS:

Full water jet

### SPECIAL HAZARDS FROM THE SUBSTANCE ITSELF ITS COMBUSTION PRODUCTS OR FROM ITS VAPOURS:

In case of fires, hazardous combustion gases are formed:

Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride (HCl)  
Sulphur dioxide (SO<sub>2</sub>)

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTING:

Use self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS:

Wear suitable personal protective equipment.

### ENVIRONMENTAL PRECAUTIONS:

Do not allow entry to drains, water courses or soil.

### METHODS FOR CLEANING UP / TAKING UP:

Take up with absorbent material (eg. sand, kieselgur, universal binder).  
When picked up, treat material as prescribed under point 13 "Disposal considerations".

## 7. HANDLING AND STORAGE

### 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.

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### FURTHER INFORMATION ON STORAGE CONDITIONS:

In case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

### STORAGE STABILITY:

Shelf-life: at least 36 months

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE CONTROLS:

#### EXPOSURE LIMIT VALUES:

GENERAL PROTECTIVE MEASURES: Observe the usual precautions for handling chemicals.

HYGIENE MEASURES: Keep away from food and drinks.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Remove soiled or soaked clothing immediately and clean thoroughly before using again.

RESPIRATORY PROTECTION: Yes, if TLV value is exceeded

HAND PROTECTION: Nitrile rubber gloves  
Minimum breakthrough time (glove): not determined  
Minimum thickness (glove): not determined  
Observe the information of the glove manufacturer on permeability and breakthrough times and other workplace requirements

EYE PROTECTION: Safety glasses

BODY PROTECTION: Protective clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: liquid  
COLOUR: green  
ODOUR: not specified  
BOILING POINT: approx. 100 °C (1.013 hPa)  
FLASH POINT: not determined  
DENSITY: approx. 1,46 g/cm<sup>3</sup> (20° C)  
SOLUBILITY IN WATER: miscible (20° C)  
pH-VALUE: approx. 7,9 (20° C) aqueous suspension  
VISCOSITY (DYNAMIC): approx. 950 mPa.s (20°C)  
FURTHER INFORMATION: No incompatible substances known

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: > 100° C with dehydration

### HAZARDOUS REACTIONS:

When handled and stored appropriately no dangerous reactions are known.

### HAZARDOUS DECOMPOSITION PRODUCTS:

When handled and stored appropriately no dangerous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: LD50 > 2.000 mg/kg  
Method: 1999/45/EC

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IRRITANT EFFECT ON SKIN:	non-irritant Test result of a similar preparation
IRRITANT EFFECT ON EYES:	non-irritant (rabbit eye) Test result of a similar preparation

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## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:	This property is substance specific and cannot be given for the preparations.
FISH TOXICITY:	not determined
DAPHNIA TOXICITY:	not determined
ALGAE TOXICITY:	not determined
BACTERIA TOXICITY:	not determined
REMARKS:	Do not allow to enter soil, waterways or waste water. Classification according to the calculation procedure of the Dangerous Preparations Directive (1999/45/EC)

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## 13. DISPOSAL CONSIDERATIONS

### 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 of as product waste.

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## 14. TRANSPORTATION INFORMATION

ADR:	not restricted
RID:	not restricted
ADNR:	not restricted
IMDG:	not restricted
IATA:	not restricted

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## 15. REGULATORY INFORMATION

### LABELLING IN ACCORDANCE WITH EC-DIRECTIVES:

Hazard warning labelling not compulsory.

### SPECIFIC LABELLING OF CERTAIN PREPARATIONS:

Material safety data sheet available for professional user upon request.

### CHEMICAL SAFETY ASSESSMENT:

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the ingredients of the preparation, which constitute(s) this product.

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## 16. OTHER INFORMATION

TEXT OF THE R-PHRASES WHICH ARE ALLOCATED TO THE INGREDIENTS/COMPONENTS MENTIONED IN SECTION 2 OF THIS SAFETY DATA SHEET:

22	Harmful if swallowed.
35	Causes severe burns.
41	Risk of serious damage to eyes.
50	Very toxic to aquatic organisms.

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Decimal notation: "Thousands" places are identified with a dot (example: 2.000 mg/kg means "two thousand mg/kg"). Decimal places are identified with a comma (example: 1,35g/cm<sup>3</sup>).

These product informations are based on our present state of our knowledge, information and experience. No responsibility or liability can be assumed for factors lying outside our knowledge and control.

Statements in catalogues and any other written information handed over to customers are in no way to be understood as guarantees as to characteristics and neither as an agreement on the characteristics. The possible purpose of use of the object of delivery is by no means part of the agreed characteristics. All users are responsible for checking that all products used comply with the specific requirements of their intended application.