

# Safety data sheet

According to EC Directive 91/155/EEC

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the product

Catalogue No.: 011

Product name: Benzhydrol for synthesis

### Manufacturer/supplier identification

Company: Merck Schuchardt OHG \* 85662 Hohenbrunn \* Germany \*  
Tel: +49 8102/802-0

Emergency telephone No.: Please contact the regional Merck representation  
in your country.

## 2. Composition/information on ingredients

### Synonyms

Hydroxydiphenyl methane, Diphenylcarbinol, Diphenylmethanol

CAS-No.: 91-01-0

M: 184.24 g/mol

EC-No.: 202-033-8

Molecular formula: C<sub>13</sub>H<sub>12</sub>O  
(Hill)

## 3. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

## 4. First aid measures

After inhalation (large amounts of dusts): Fresh air.

After skin contact (particles, dusts): Wash off with water.

After eye contact (particles, dusts): Rinse out with plenty of water with the eyelid held wide open.

Summon eye specialist if necessary.

After swallowing (particles, dusts): Drink plenty of water. Consult doctor if feeling unwell.

## 5. Fire-fighting measures

### Suitable extinguishing media:

spray water, foam, powder.

### Special risks:

Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

### Special protective equipment for fire fighting:

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

### Other information:

Prevent fire-fighting water from entering surface water or groundwater.

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## 6. Accidental release measures

Person-related precautionary measures:

Avoid generation of dusts; do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures:

Do not allow to enter sewerage system.

Procedures for cleaning / absorption:

Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

## 7. Handling and storage

Handling:

No further requirements.

Storage:

At +15°C to +25°C. Tightly closed. No further requirements.

Tightly closed. Dry.

## 8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated.

Eye protection: required

Hand protection: required

Industrial hygiene:

Change contaminated clothing. Application of skin- protective barrier cream recommended. Wash hands after working with substance.

Change contaminated clothing. Wash hands after working with substance.

## 9. Physical and chemical properties

Form: powder, finecrystalline

Colour: white

Odour: fruity

pH value not available

Melting point 63-65 °C

Boiling point 297-299 °C

Ignition temperature not available

Flash point 160 °C

Explosion limits lower not available

upper not available

Density not available

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Solubility in		
water	(20 °C)	insoluble
ethanol	(20 °C)	soluble
ether	(20 °C)	soluble

#### 10. Stability and reactivity

##### Conditions to be avoided

no information available

##### Substances to be avoided

no information available

##### Hazardous decomposition products

no information available

#### 11. Toxicological information

##### Acute toxicity

LD50 (oral, rat): 5000 mg/kg

LD50 (dermal, rabbit): >5000 mg/kg

##### Further toxicological information

After skin contact: Slight irritations.

After eye contact: Slight irritations.

##### Further data

Further hazardous properties cannot be excluded.

The product should be handled with the care usual when dealing with chemicals.

#### 12. Ecological information

##### Ecotoxic effects:

Quantitative data on the ecological effect of this product are not available.

##### Further ecologic data:

No ecological problems are to be expected when the product is handled and used with due care and attention.

#### 13. Disposal considerations

##### Product:

Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

##### Packaging:

Merck product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.

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### 14. Transport information

Not subject to transport regulations.

### 15. Regulatory information

Labelling according to EC Directives

Symbol: ---

R-phrases: ---

S-phrases: ---

### 16. Other information

Reason for alteration

Addition in the chapter toxicology.  
General update.

Regional representation:

This information is given on the authorised Safety Data Sheet  
for your country.

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