



## Safety Data Sheet

According to Regulation (EC) 1907/2006



2825 2,6-Di-tert-Butyl-4-Methylphenol

# Identification of the substance/preparation and of the company or firm

## 1.1 Identification of the substance or preparation

Name:

2,6-Di-tert-Butyl-4-Methylphenol

**Synonym:**

2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, Butyl Hydroxytoluene, DBPC, Ionol

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

## 1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

## 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

#### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

## Identification of dangers

Classification of the substance or the mixture.

#### Classification Regulation (CE) n° 1272/2008.

Acute Tox. 4

Eye Irrit. 2

#### Hazard Pictograms



#### Signal word

Warning

#### Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

#### Precautionary statements

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

#### Classification (67/548/CEE or 1999/45/CE).

Xn Harmful  
R36  
R22

For the full text of the R-phrases mentioned in this section, see section 16.

## Component Composition/Information

Name: 2,6-Di-tert-Butyl-4-Methylphenol

Formula: C<sub>15</sub>H<sub>24</sub>O M.= 220,35 CAS [128-37-0]

EC number (EINECS): 204-881-4

## First aid

### 4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

### 4.2 Inhaling:

Take the person out into the fresh air.

### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

### 4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

### 4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

## Fire-fighting means

### 5.1 Suitable fire-extinguishing means:

Water. Dry powder. Carbon dioxide (CO<sub>2</sub>).

### 5.2 Fire-fighting means which must NOT be used:

No specific data.

### 5.3 Special risks:

Combustible. Keep away from sources of ignition.

### 5.4 Protective equipment:

Suitable clothing and footwear.

## Measures to be taken in the event of accidental spillage

### 6.1 Individual precautions:

No special indications.

### 6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

### 6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation.

# Handling and storage

## 7.1 Handling:

No special indications.

## 7.2 Storage:

Well sealed containers. Dry atmosphere.

# Staff exposure/protection controls

## 8.1 Technical protective measures:

No special indications.

## 8.2 Exposure limit control:

: Data not available.

## 8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

## 8.4 Hand protection:

Use suitable gloves

## 8.5 Eye protection:

Use suitable goggles.

## 8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done.

## 8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

# Physical and chemical properties

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: 70 °C

Initial boiling point and boiling range: 265 °C

Flash point: 127 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 19 hPa (141 °C)

Vapour density: N/A

Relative density:

N/A

Solubility: in Insoluble in water. Soluble in alcohol and acetone.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 345 °C

Decomposition temperature: N/A

Viscosity: N/A

## Stability and reactivity

### 10.1 Conditions which should be avoided:

The product is chemically stable under standar ambient conditions (room temperature).

### 10.2 Matter which should be avoided:

No specific data.

### 10.3 Hazardous decomposition products:

No specific data.

### 10.4 Complementary information:

No specific data.

## Toxicological information

- **Acute toxicity:**

LD L0 oral rbt : 2.100 mg/kg

LD50 oral rat : 890 mg/kg

LD50 ipr mus : 138 mg/kg

- **Dangerous effects for health:**

Upon contact with the skin: irritations Through contact with the eyes: irritations Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

# Environmental information

## 12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 8,57 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

12.1.3. - Observations:

## 12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Data not available.

## 12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Data not available.

## 12.4 Mobility in soil :

Data not available.

## 12.5 Assessment PBT and MPMB :

Data not available.

## 12.6 Other possible effects on the environment:

Product hardly pollutant for water.

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

# Considerations regarding elimination

### 13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

### 13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## Information concerning transport

Not classified as dangerous in the meaning of transport regulations.

## Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## Other information

### Other precautionary statements

P330 Rinse mouth.

P337+P313 If eye irritation persists: Get medical advice/attention.

### Labelling (65/548/CEE or 1999/45/CE)

R-phrases(s):	<b>R36</b> Irritating to eyes. <b>R22</b> Harmful if swallowed.
S-phrases(s):	<b>S24</b> Avoid contact with skin.

Review number and date: 4 15.09.2011

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In respect of the previous review, changes have been made to the following sections: 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.