

Safety Data Sheet

According to Regulation (EC) 1907/2006



1937 Di-n-Butyl Phthalate

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

### 1.1 Identification of the substance or preparation

Name:

Di-n-Butyl Phthalate

**Synonym:**

DBP, n-Butyl Phthalate, Phthalic Acid Dibutyl Ester

**REACH Registration Number:** 01-2119493042-44-XXXX

### 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.**

Repr. 1B

Aquatic Acute 1

**Hazard Pictograms**



**Signal word**

Danger

**Hazard statements**

H360Df May damage the unborn child. Suspected of damaging fertility.

H400 Very toxic to aquatic life.

**Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

P308+P313 IF exposed or concerned: Get medical advice/attention.

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

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

**N** Dangerous for the environment R62

R50

**T** Toxic

R61

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

# Component Composition/Information

Name: Di-n-Butyl Phthalate

Formula: (C<sub>4</sub>H<sub>9</sub>OOC)<sub>2</sub>C<sub>6</sub>H<sub>4</sub> M.= 278,35 CAS [84-74-2]

EC number (EINECS): 201-557-4

EC index number: 607-318-00-4

REACH Registration Number: 01-2119493042-44-XXXX

## 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. In the event sickness persists, seek medical assistance.

### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

### 4.4 Eyes:

Wash with plenty of water, keeping eyelids open.

### 4.5 Swallowing:

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

## Fire-fighting means

### 5.1 Suitable fire-extinguishing means:

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

### 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:

Do not inhale the fumes.

### 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. Clean any remains with plenty of water.

# Handling and storage

## 7.1 Handling:

No special indications.

## 7.2 Storage:

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat.

# Staff exposure/protection controls

## 8.1 Technical protective measures:

No special indications.

## 8.2 Exposure limit control:

VLA-ED: 5 mg/m<sup>3</sup>

## 8.3 Respiratory protection:

In the event of fumes forming/aerosols, 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. 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: liquid

Colour: Colourless

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: -35 °C

Initial boiling point and boiling range: 340 °C

Flash point: 171 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: (20/4) 1,048

Solubility: 0,4 g/l in water 20 °C

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 370 °C

Decomposition temperature: N/A

Viscosity: N/A

## Stability and reactivity

### 10.1 Conditions which should be avoided:

The product is chemically stable under standard 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:**

LD50 oral rat : 8.000 mg/kg

LD L0 skn rat : 6.000 mg/kg

LD50 skn rbt : > 5 g/Kg

LC50 inh rat : 4250 mg/m<sup>3</sup>

LD50 ipr mus : 3.570 mg/kg

- **Dangerous effects for health:**

If swallowed: nausea vomiting If swallowed in large quantities: hallucinations

# Environmental information

## 12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 26 mg/l

Classification:

Extr. toxic

Fish (*P. promelas*) LC50 0,85 mg/l/96h

Classification:

Extr. toxic

Crustaceans (*Daphnia magna*) 17 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.1.3. - Observations:

Extremely toxic in water environments.

## 12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

High, over 1/3

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Easily biodegradable product.

## 12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Non-bioaccumulable product.

## 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:

Do not allow it to enter soils or water channels.

# 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

Overland (ADR):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Environmentally hazardous substance, liquid, n.o.s.

UN 3082 Class: 9 CONTAM. MAR PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 964 PAX 964

# Regulatory information

The substance is included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)

## Other information

### Other precautionary statements

P391 Collect spillage.

P405 Store locked up.

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

R-phrase(s):	<b>R62</b> Possible risk of impaired fertility. <b>R50</b> Very toxic to aquatic organisms. <b>R61</b> May cause harm to the unborn child.
S-phrase(s):	<b>S61</b> Avoid release to the environment. Refer to special instructions/safety data sheets. <b>S45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). <b>S53</b> Avoid exposure - obtain special instructions before use.

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.