



# MATERIAL SAFETY DATA SHEET

#D31007

MSDS DATE:

19TH APRIL 2010

## SECTION 1 – PRODUCT IDENTIFICATION / MANUFACTURER

**Trade name and synonym:** Sampling Tube with BHT  
sampling tube with Butylated hydroxytoluene

**Catalogue Number:** D31007

**Manufacturer:** SPIBIO

SPIBIO

Parc d'Activités Pas du Lac

10 bis, avenue Ampère

F-78180 Montigny-le-Bretonneux

France

**Telephone Number:** 33 (1) 39 30 62 60

**Facsimile number:** 33 (1) 39 30 62 99

**E-Mail:** [sales@spibio.com](mailto:sales@spibio.com)

## SECTION 2 – HAZARDS IDENTIFICATION

### Special indication of hazards to humans and the environment:

Harmful if swallowed. Irritating to eyes and skin.

**Emergency Overview:** No data available.

**Route(s) of Entry:** Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other: Injection

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

### BHT

<b>other synonyms</b>	2,6-Di-tert-butyl-4-methylphenol 2,6-Di-tert-butyl-p-cresol Butylhydroxytoluene DBPC
<b>Formula</b>	C15H24O
<b>Molecular Weight</b>	220,36 g/mol
<b>CAS-No</b>	128-37-0
<b>EC-No</b>	204-881-4
<b>Index-No</b>	N/A
<b>Classification</b>	Xn, R22 - R36/38
<b>Quantity</b>	50µg
<b>Concentration</b>	N/A

## SECTION 4 – FIRST AID MEASURES

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled** remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

**If swallowed**, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of **contact with eyes**, hold eyelids apart and flush eyes with plenty of water. After initial flushing's, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In case of **skin contact**, immediately wash skin with soap and plenty of water. Consult a physician.



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### SECTION 5 – FIRE FIGHTING MEASURES

**Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA / NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, alcohol-resistant foam, carbon dioxide or dry chemical spray when fighting fires involving this material.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

#### Environmental precautions

Do not let product enter drains.

#### Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### SECTION 7 – HANDLING AND STORAGE

#### Handling

Avoid contact with skin and eyes.  
Avoid formation of dust and aerosols.  
Use with adequate ventilation where dust is formed.  
Normal measures for preventive fire protection.

#### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

#### Eye protection

Safety glasses

#### Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:**  Gas  Liquid  Solid

**Melting Point:** 69°C – 70°C.

**Boiling Point:** 265°C

**Ignition temperature:** 470°C.

**Flash Pt:** 127°C Closed Cup

**Explosive Limits:** no data

**Specific Gravity (Water = 1):** No data.

**Bulk density:** No data.

**Vapor Pressure (vs. Air or mm Hg):** 0.01hPa at 20.0 C

**Vapor Density (vs. Air = 1):** No data.

**Evaporation Rate (vs Butyl Acetate=1):** No data.

**Solubility in Water:** No data

**Solubility Notes:** \* No data

**Percent Volatile:** No data.

**Heat Value:** No data.

**Particle Size:** No data.

**Corrosion Rate:** No data.

**pH:** No data.

**Appearance and Odour:** solid.

### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Materials to avoid:** Acid chlorides, Acid anhydrides, Oxidizing agents, Bases, Brass, Copper

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions Carbon oxides.



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### SECTION 11 – TOXICOLOGICAL INFORMATION

#### Acute toxicity

LD50 Oral - rat - 890,0 mg/kg

#### Irritation and corrosion

Skin - rabbit - Skin irritation - 48 h

Eyes - rabbit - Eye irritation - 24 h

#### Sensitisation

no data available

#### Chronic exposure

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye irritation.

**Ingestion** Harmful if swallowed.

#### Additional Information

RTECS: GO7875000

### SECTION 12 – ECOLOGICAL INFORMATION

#### Elimination information (persistence and degradability)

no data available

#### Ecotoxicity effects

Toxicity to fish LC50 - *Oryzias latipes* - 5,3 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates. EC50 - *Daphnia pulex* (Water flea) - 1,44 mg/l - 48 h

**Further information on ecology** No data

### SECTION 13 – DISPOSAL CONSIDERATION

#### Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

### SECTION 14 – TRANSPORT INFORMATION

#### ADR/RID

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods



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### SECTION 15 – REGULATORY INFORMATION

#### Labelling according to EC Directives

Hazard symbols

Xn Harmful

R-phrase(s)

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

S-phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### SECTION 16 – OTHER INFORMATION

Warranty:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Use of product: For R&D use only. Not for drug, household or other uses.