



## SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name: **Bis(2-ethylhexyl) terephthalate, DOTP**  
 Chemical name: bis(2-ethylhexyl) terephthalate  
 Index number: -  
 CAS number: 6422-86-2  
 Registration number: 01-2119446265-39-0027

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: plasticizer.  
Uses advised against: not determined.

#### 1.3. Details of the supplier of the safety data sheet

Supplier: **KABEX ZPH Damian Dąbrowski**  
 Address: Polna 71, 21-200 Parczew, Poland  
 Telephone/fax: +48 83 355 13 40/+48 83 355 13 41  
 E-mail address for a competent person responsible for SDS: biuro@kabex-parczew.pl

#### 1.4. Emergency telephone number

**112** (Europe's emergency telephone number)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The substance is not classified as posing a threat to human health, life or the environment and due to physical properties.

#### 2.2. Label elements

Hazard pictograms and signal words

Not applicable.

Hazard statements

Not applicable.

Precautionary statements

Not applicable.

#### 2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. The substance is not assessed as a substance with endocrine disrupting properties.

### Section 3: Composition/information on ingredients

#### 3.1. Substances

CAS number: 6422-86-2 EC number: 229-176-9 Index number: - Registration number: 01-2119446265-39-0027	<u>bis(2-ethylhexyl) terephthalate</u> the substance is not classified as hazardous	min. 98 %
--	--	-----------



## SAFETY DATA SHEET

### Section 4: First aid measures

#### 4.1. Description of first aid measures

Skin contact: take off contaminated clothes and shoes. Wash exposed skin thoroughly with water and soap. Consult a doctor, if disturbing symptoms occur.

Eye contact: remove contact lenses. Rinse contaminated eyes with water for at least 15 minutes. Avoid strong stream of water – risk of cornea damage. Consult an ophthalmologist, if disturbing symptoms occur.

Ingestion: do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. If disturbing symptoms occur consult a doctor and show the packaging or label.

Inhalation: remove the victim to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms occur.

#### 4.2. Most important symptoms and effects, both acute and delayed

There are no reports of adverse effects or critical hazards when the product is used properly.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

### Section 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide, extinguishing powder, foam, water spray.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

#### 5.2. Special hazards arising from the substance or mixture

During combustion harmful gases consisting of carbon oxides may be emitted. Do not inhale combustion products, they can be dangerous for human health. The substance has the ability to accumulate an electric charge which favors the occurrence of a flash point.

#### 5.3. Advice for firefighters

Evacuate bystanders from the failure area. General protective measures typical in the event of fire. Do not stay in the fire hazard zone without appropriate chemical-resistant clothing and self-contained breathing apparatus. In case of fire cool endangered containers with water fog from safe distance. Do not let extinguishing water reach drainage system, ground and surface waters. Collect used fire extinguishing agents.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Limit access by unauthorized persons to the failure area until appropriate cleanup operations are completed. In case of large releases, isolate the affected area. Ensure that the removal of the failure and its consequences is carried out only by trained personnel. Do not inhale vapours. Ensure adequate ventilation. Avoid contact with eyes and skin. Use personal protective equipment. Do not use sparking tools.

#### 6.2. Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

#### 6.3. Methods and material for containment and cleaning up

Cover any spilled product with non-flammable liquid-absorbing material (e.g. sand, diatomaceous earth, universal binding materials) and place in labelled containers. Dike and pump out larger leaks. Treat collected material as waste. Clean and ventilate the contaminated place.

#### 6.4. Reference to other sections

Appropriate conduct with waste product – section 13. Appropriate personal protective equipment – section 8.



## SAFETY DATA SHEET

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke in places where the substance is handled and processed. Avoid contamination of eyes, skin and clothing. Use personal protective equipment. Wash your face and hands before breaks and after finishing work. Work in well-ventilated areas. Do not inhale vapors of the substance. Do not use sparking tools.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in original, tight packaging in a cool, dry and well-ventilated place. Keep away from direct sunlight and ignition sources. Do not store together with food and animal feed. Do not store together with incompatible materials (see subsection 10.5 for more information). Seal product packaging after use to prevent leakage. Keep unused containers tightly closed.

#### 7.3. Specific end use(s)

No information about applications other than those specified in section 1.2.

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

The substance has no occupational exposure limit values at working place established in the European Union. Please check also any national occupational exposure limit values in your country.

(Legal Basis: Commission Directive 91/322/EWG as amended, 98/24/WE as amended, 2000/39/WE as amended, 2004/37/WE as amended).

#### 8.2. Exposure controls

##### Appropriate engineering controls

Observe good occupational hygiene and safety practices. Do not eat, drink or smoke during work. Before break and after work wash hands carefully. Ensure proper ventilation. Remove contaminated clothing and wash it before reuse.

##### Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged personal protective equipment must be replaced immediately.

Hand protection: use of protective gloves according to EN374. The material gloves should be selected individually at the workplace. Wear protective clothing and safety shoes.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye protection: use tight safety glasses according to EN166 if there is a risk of eye contamination.

Respiratory protection: not required in case of proper ventilation.

##### Thermal hazards

Not applicable.

##### Environmental exposure controls

Avoid environment contamination, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.



## SAFETY DATA SHEET

### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	weak
Melting point/freezing point:	- 48 °C
Boiling point or initial boiling point and boiling range:	383 °C
Flammability:	not applicable, product is not flammable
Lower and upper explosion limit:	not applicable
Flash point:	238 °C
Auto-ignition temperature:	not applicable, the product is not autoflammable
Decomposition temperature:	not determined
pH:	not determined
Kinematic viscosity:	not determined
Solubility [20 °C]:	in water 4,0 mg/l
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density [20 °C]:	0,9843 g/cm <sup>3</sup>
Relative vapour density [air = 1]:	13,5
Particle characteristics:	not applicable

#### 9.2. Other information

Acidity:	0,05 – 0,07 KOH mg/g
Water content:	< 0,01 %

### Section 10: Stability and reactivity

#### 10.1. Reactivity

Product is less reactive. Does not undergo hazardous polymerization. See also subsections 10.3 -10.5.

#### 10.2. Chemical stability

The substance is stable under normal conditions of handling.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions are not known.

#### 10.4. Conditions to avoid

Avoid ignition sources.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

Not known.

### Section 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information regarding acute and/or delayed effects of exposure has been determined based on information on substance classification and/or toxicological tests.

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### Skin corrosion/irritation

Based on available data, the classification criteria are not met.



## SAFETY DATA SHEET

### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

### Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Information on likely routes of exposure

Not known.

### Symptoms related to the physical, chemical and toxicological characteristics

Not known.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Not known.

## 11.2. Information on other hazards

### Endocrine disrupting properties

The substance is not assessed as a substance with endocrine disrupting properties.

### Other information

No data.

## Section 12: Ecological information

### 12.1. Toxicity

The substance is not classified as hazardous for the aquatic environment.

### 12.2. Persistence and degradability

The substance is ready biodegradability.

### 12.3. Bioaccumulative potential

A bioconcentration study conducted on oysters showed that the material had medium to low potential for bioconcentration (BCF = 393). However, due to the tendency to be eliminated by higher trophic organisms, bioaccumulation is not expected.

### 12.4. Mobility in soil

The mobility of the mixture components depends on the hydrophilic and hydrophobic properties and conditions of abiotic and biotic soil, including its structure, the climatic and soil organisms (mainly bacteria, fungi, algae, invertebrates).

### 12.5. Results of PBT and vPvB assessment

The substance is not assessed as PBT or vPvB.



## SAFETY DATA SHEET

### 12.6. Endocrine disrupting properties

The product is not assessed as endocrine disruptor.

### 12.7. Other adverse effects

The substance is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (e.g, global warming potential).

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal methods for the substance: dispose of in accordance with applicable regulations. Store leftovers in original containers. Do not empty into drains. Do not dispose of with municipal waste. The waste code should be assigned at the place of its formation.

Recommendations regarding used packaging: recovery / recycling / elimination of packaging waste should be carried out in accordance with applicable regulations. The waste code should be assigned at the place of its formation.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

## Section 14: Transport information

### 14.1. UN number or ID number

Not applicable. Not classified as dangerous for transport.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Not applicable.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**ADR** European Agreement concerning the International Carriage of Dangerous Goods by Road.

**IMDG** Code International Maritime Dangerous Goods Code.

**IATA** Dangerous Goods Regulations

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.

**Commission Regulation (EU) No 2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

