

## Safety Data Sheet

### DIBUTYL PHTHALATE

Version 1.1

Revision Date: 11/05/2022

#### SECTION 1. IDENTIFICATION

**Product name** : DIBUTYL PHTHALATE

**Synonyms** : No data available

**Restricted Uses** : No data available

#### Manufacturer or supplier's details

**Company** : Univar Solutions Canada Ltd.  
**Address** : 64 Arrow Road  
 North York, ON, M9M 2L9  
 Canada

#### Emergency telephone number:

Local Emergency Contact : During Office hours Monday-Friday, 8.00 am - 4.30 pm (Pacific Standard Time) : 1-866-686-4827

**Additional Information:** : Responsible Party: Product Compliance Department  
 E-mail: SDSNA@univarsolutions.com  
 SDS Requests: 1-855-429-2661  
 Website: www.univarsolutions.com

#### SECTION 2. HAZARD IDENTIFICATION

#### Hazardous Classification of the substance or mixture

Reproductive toxicity : Category 1B

#### Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H360 May damage fertility or the unborn child.

Precautionary statements : **Prevention:**  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
**Storage:**  
 P405 Store locked up.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

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**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

| CAS-No. | Chemical name     | % by Weight | Synonyms          |
|---------|-------------------|-------------|-------------------|
| 84-74-2 | Dibutyl phthalate | 80 - 100    | Dibutyl phthalate |

Actual concentration or concentration range is withheld as a trade secret

**SECTION 4. FIRST-AID MEASURES**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

**SECTION 5. FIREFIGHTING MEASURES**

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

| CAS-No. | Components        | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis     |
|---------|-------------------|----------------------------------|------------------------------------------------|-----------|
| 84-74-2 | Dibutyl phthalate | TWA                              | 5 mg/m <sup>3</sup>                            | CA AB OEL |
|         |                   | TWA                              | 5 mg/m <sup>3</sup>                            | CA BC OEL |
|         |                   | TWAEV                            | 5 mg/m <sup>3</sup>                            | CA QC OEL |

##### Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Filter type : Organic vapour type
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| Appearance                             | : liquid                                |
| Colour                                 | : colourless                            |
| Odour                                  | : odorless                              |
| Odour Threshold                        | : No data available                     |
| pH                                     | : No data available                     |
| Freezing Point                         | : No data available                     |
| Boiling Point                          | : No data available                     |
| Flash point                            | : 157 °C (315 °F)                       |
| Evaporation rate                       | : No data available                     |
| Flammability (solid, gas)              | : No data available                     |
| Upper explosion limit                  | : No data available                     |
| Lower explosion limit                  | : No data available                     |
| Vapour pressure                        | : No data available                     |
| Relative vapour density                | : No data available                     |
| Relative density                       | : 1.048Reference substance: (water = 1) |
| Density                                | : 8.745 - 8.746 lb/gal                  |
| Water solubility                       | : No data available                     |
| Solubility in other solvents           | : No data available                     |
| Partition coefficient: n-octanol/water | : No data available                     |
| Auto-ignition temperature              | : No data available                     |
| Thermal decomposition                  | : No data available                     |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------|
| Reactivity                         | : No decomposition if stored and applied as directed.                            |
| Chemical stability                 | : No decomposition if stored and applied as directed.                            |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.                            |
| Conditions to avoid                | : No data available                                                              |
| Incompatible materials             | : Chlorine<br>nitrates<br>oxidizable substances<br>Strong acids and strong bases |

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**SECTION 11. TOXICOLOGICAL INFORMATION**

|              |                                                                                                                                              |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACGIH</b> | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|

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#### Reproductive toxicity

##### Components:

##### **84-74-2:**

|                               |                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects on fertility          | : Test Type: Two-generation study<br>Species: Rat, male<br>Application Route: oral<br>Dose: 0, 0.1, 0.5 and 1.0% in diet<br>General Toxicity - Parent: NOAEL: 385 mg/kg bw<br>Early Embryonic Development: Lowest observed adverse effect level F1: 0.1 % diet<br>Symptoms: Effects on fertility Effects on foetal development |
| Effects on foetal development | : Species: Rat<br>Application Route: oral<br>Dose: 0, 20, 200, 2000 and 10,000 ppm<br>Developmental Toxicity: Lowest observed adverse effect level: 20 ppm<br>Result: Embryotoxic effects and adverse effects on the offspring were detected.                                                                                  |

#### Further information

##### Product:

Remarks: No data available

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **84-74-2:**

|                                                     |                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : LC50 (Pimephales promelas (fathead minnow)): 0.32 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test    |
| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 2.99 mg/l<br>Exposure time: 48 h                                              |
| Toxicity to algae                                   | : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.75 mg/l<br>Exposure time: 96 h<br>Test Type: static test |
| M-Factor (Acute aquatic toxicity)                   | : 1                                                                                                                |
| Acute aquatic toxicity- Assessment                  | : Very toxic to aquatic life.                                                                                      |
| Chronic aquatic toxicity- Assessment                | : Toxic to aquatic life with long lasting effects.                                                                 |

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#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

#### TDG (Transportation of Dangerous Goods):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIBUTYL PHTHALATE), 9, III

#### IATA (International Air Transport Association):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIBUTYL PHTHALATE), 9, III

#### IMDG (International Maritime Dangerous Goods):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIBUTYL PHTHALATE), 9, III,  
Flash Point: 157 °C (315 °F)

## SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

**NPRI Components** : 84-74-2

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**The components of this product are reported in the following inventories:**

|       |                                                          |
|-------|----------------------------------------------------------|
| TSCA  | : On TSCA Inventory                                      |
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : On the inventory, or in compliance with the inventory  |
| NZIoC | : On the inventory, or in compliance with the inventory  |
| ENCS  | : On the inventory, or in compliance with the inventory  |
| KECI  | : On the inventory, or in compliance with the inventory  |
| PICCS | : On the inventory, or in compliance with the inventory  |
| IECSC | : On the inventory, or in compliance with the inventory  |

#### SECTION 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions EHS Product Compliance Department (1-855-429-2661) [SDSNA@univarsolutions.com](mailto:SDSNA@univarsolutions.com).

**Revision Date** : 11/05/2022

**Material number:**  
16169173, 16169762

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                                         |       |                                                     |
|---------------------------------------------------------------------------|---------------------------------------------------------|-------|-----------------------------------------------------|
| ACGIH                                                                     | American Conference of Government Industrial Hygienists | LD50  | Lethal Dose 50%                                     |
| AICS                                                                      | Australia, Inventory of Chemical Substances             | LOAEL | Lowest Observed Adverse Effect Level                |
| DSL                                                                       | Canada, Domestic Substances List                        | NFPA  | National Fire Protection Agency                     |
| NDSL                                                                      | Canada, Non-Domestic Substances List                    | NIOSH | National Institute for Occupational Safety & Health |
| CNS                                                                       | Central Nervous System                                  | NTP   | National Toxicology Program                         |
| CAS                                                                       | Chemical Abstract Service                               | NZIoC | New Zealand Inventory of Chemicals                  |
| EC50                                                                      | Effective Concentration                                 | NOAEL | No Observable Adverse Effect Level                  |
| EC50                                                                      | Effective Concentration 50%                             | NOEC  | No Observed Effect Concentration                    |
| EGEST                                                                     | EOSCA Generic Exposure Scenario Tool                    | OSHA  | Occupational Safety & Health Administration         |
| EOSCA                                                                     | European Oilfield Specialty Chemicals Association       | PEL   | Permissible Exposure Limit                          |
| EINECS                                                                    | European Inventory of Existing                          | PICCS | Philippines Inventory of Commercial                 |

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|       |                                                          |       |                                                                                      |
|-------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
|       | Chemical Substances                                      |       | Chemical Substances                                                                  |
| MAK   | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS   | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=    | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50  | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC  | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS  | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI  | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=    | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50  |                                                          |       | Lethal Concentration 50%                                                             |