

# Dibutyl Phthalate

Part No. RXSOL-19-1295-050 — Generated 29 Sep 2026

## 1. Product and Company Identification

Product Name               RXSOL-19-1295  
Product Type               Dibutyl Phthalate

### Company Details:

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## 2. Composition / information on ingredients

| Chemical Name     | CAS Number | EC Number | Index number |
|-------------------|------------|-----------|--------------|
| dibutyl phthalate | 84-74-2    | 201-557-4 | 607-318-00-4 |

## 3. Hazards Identification

### Hazard description:

Information concerning particular hazards for human and environment:

R 61 May cause harm to the unborn child.

R 62 Possible risk of impaired fertility.

R 50 Very toxic to aquatic organisms.

## 4. First Aid Measures

|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| After inhalation   | Supply fresh air; consult doctor in case of complaints.   |
| After skin contact | Generally the product does not irritate the skin.         |
| After eye contact  | Rinse opened eye for several minutes under running water. |
| After swallowing   | If symptoms persist consult doctor.                       |

## 5. Fire-fighting Measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Protective equipment: No special measures required.

## 6. Accidental Release Measures

Person-related safety precautions: Not required.

Measures for environmental protection: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

## 7. Handling and Storage

**Handling:**

**Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

**Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

## 8. Exposure controls and personal protection

**Additional information about design of technical facilities: No further data; see item 7.**

**Ingredients with limit values that require monitoring at the workplace:**

108-38-3 m-xylene

|                     |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
|                     | 435 mg/m <sup>3</sup> , 100 ppm                                                                                          |
| PEL (USA)           | Short-term value: 655 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm                    |
| REL (USA)           | Short-term value: 651 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 434 mg/m <sup>3</sup> , 100 ppm<br>BEI             |
| TLV (USA)           | Short-term value: 442 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 221 mg/m <sup>3</sup> , 50 ppm                     |
| WEL (Great Britain) | Skin<br>Short-term value: 441 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 220 mg/m <sup>3</sup> , 50 ppm<br>Sk; BMGV |

**Additional information:** The lists valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Tightly sealed goggles

## 9. Physical and chemical properties

### General Information

|                                                |                                                                                             |
|------------------------------------------------|---------------------------------------------------------------------------------------------|
| Form                                           | Fluid                                                                                       |
| Colour                                         | Colourless                                                                                  |
| Odour                                          | Characteristic                                                                              |
| Change in condition                            |                                                                                             |
| Melting point/Melting range                    | -47.9°C                                                                                     |
| Boiling point/Boiling range                    | 139°C                                                                                       |
| Flash point                                    | 25°C                                                                                        |
| Ignition temperature                           | 465°C                                                                                       |
| Danger of explosion                            | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| <b>Explosion limits:</b>                       |                                                                                             |
| Lower                                          | 1.7 Vol %                                                                                   |
| Upper                                          | 7.6 Vol %                                                                                   |
| Vapour pressure at 20°C                        | 8 hPa                                                                                       |
| Density at 20°C                                | 0.85985 g/cm <sup>3</sup>                                                                   |
| Solubility in / Miscibility with water at 20°C | 0.2 g/l                                                                                     |
| <b>Viscosity:</b>                              |                                                                                             |
| Dynamic at 22°C                                | 0.62 mPas                                                                                   |

## 10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

## 11. Toxicological information

Acute toxicity:

### LD/LC50 values relevant for classification:

|        |          |                      |
|--------|----------|----------------------|
| Oral   | LD50     | 5000 mg/kg (rat)     |
| Dermal | LC50/4 h | 14100 mg/kg (rabbit) |

Primary irritant effect:

|               |                                        |
|---------------|----------------------------------------|
| on the skin   | Irritant to skin and mucous membranes. |
| on the eye    | No irritating effect.                  |
| Sensitization | No sensitizing effects known.          |

## 12. Ecological information

**General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

## 13. Disposal considerations

**Product:**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:** Recommendation: Disposal must be made according to official regulations.

## 14. Transport information

**Land transport ADR/RID (cross-border)**

|                      |                      |
|----------------------|----------------------|
| ADR/RID class        | 3 Flammable liquids. |
| Danger code (Kemler) | 30                   |
| UN-Number            | 1307                 |
| Packaging group      | III                  |
| Hazard label         | 3                    |
| Description of goods | 1307 XYLENES         |

**Maritime transport IMDG**

|                      |         |
|----------------------|---------|
| IMDG Class           | 3       |
| UN Number            | 1307    |
| Label                | 3       |
| Packaging group      | III     |
| EMS Number           | F-A,S-D |
| Marine pollutant     | No      |
| Proper shipping name | XYLENES |

**Air transport ICAO-TI and IATA-DGR**

|                      |         |
|----------------------|---------|
| ICAO/IATA Class      | 3       |
| UN/ID Number         | 1307    |
| Label                | 3       |
| Packaging group      | III     |
| Proper shipping name | XYLENES |

## 15. Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Risk phrases:

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

Safety phrases:

2 Keep out of the reach of children.

25 Avoid contact with eyes

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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