

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** DI-N-BUTYL PHTHALATE**CAS number:** 84-74-2**Product code:** A67507**Synonyms:** DIBUTYL BENZENE-1,2-DICARBOXYLATE**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd  
2 Gregory Street  
Hyde  
Cheshire  
SK14 4HR  
United Kingdom**Tel:** +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Repr. 1B: H360Df; Aquatic Acute 1: H400**Classification under CHIP:** N: R50; T: R61; Xn: R62**Most important adverse effects:** May damage the unborn child. Suspected of damaging fertility. Very toxic to aquatic life.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H360Df: May damage the unborn child. Suspected of damaging fertility.  
H400: Very toxic to aquatic life.**Signal words:** Danger**Hazard pictograms:** GHS08: Health hazard  
GHS09: Environmental

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**Precautionary statements:** P281: Use personal protective equipment as required.  
P501: Dispose of contents/container to local/regional/national/international regulations.  
P273: Avoid release to the environment.  
P308+313: IF exposed or concerned: Get medical attention.  
P391: Collect spillage.  
P405: Store locked up.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** DI-N-BUTYL PHTHALATE

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** After contact with skin, wash immediately with plenty of water and soap. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Seek urgent medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Keep Patient warm. Consult a doctor.

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

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

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

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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

**Exposure hazards:** If this product is involved in a fire, the following can be released: Carbon Monoxide and Carbon Dioxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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## Section 6: Accidental release measures

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

**Personal precautions:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Do not allow to enter into soil/subsoil. Discharge into the environment must be avoided.

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

**Clean-up procedures:** Refer to section 13 of SDS for suitable method of disposal. Absorb with liquid-binding material ( sand, diatomite, acid binders, universal binders, sawdust).

### 6.4. Reference to other sections

**Reference to other sections:** See section 7. Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is exhaust ventilation of the area.

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

**Storage conditions:** Keep containers tightly sealed. Store in cool, Dry place in tightly closed containers. Ensure good ventilation/exhaustion at the work place. Do not store together with acids. Store away from oxidising agents. Store away from strong bases.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Respiratory protection:** Use a respirator with organic vapour/acid gas cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate.

**Hand protection:** Nitrile gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

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## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Evaporation rate:** No data available

**Oxidising:** No data available

**Solubility in water:** 0.4g/l

**Also soluble in:** No data available.

**Viscosity:** No data available

**Viscosity test method:** No data available.

**Boiling point/range°C:** 339-340°C

**Melting point/range°C:** -35°C

**Flammability limits %: lower:** 0.47 Vol%

**upper:** 1.97 Vol %

**Flash point°C:** 171°C

**Autoflammability°C:** 402°C

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

### 10.2. Chemical stability

**Chemical stability:** Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Reacts with strong Oxidizing agents.

### 10.4. Conditions to avoid

**Conditions to avoid:** No decomposition if used and stored according to specifications.

### 10.5. Incompatible materials

**Materials to avoid:** Acids. Bases. Oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Carbon Monoxide and Carbon Dioxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

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## Relevant hazards for substance:

Hazard	Route	Basis
Reproductive toxicity	--	Based on test data

## Symptoms / routes of exposure

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

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

**Other information:** May damage fertility or the unborn child.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects:** Very toxic to aquatic organisms. Water hazard class 2 : hazardous for water. Danger to drinking water if even small quantities leak into soil. Poisonous for fish and plankton in water bodies.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Disposal must be made according to official regulations.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## Section 14: Transport information

### 14.1. UN number

UN number: UN3082

### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

Transport class: 9

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

### 14.6. Special precautions for user

Tunnel code: E

Transport category: 3

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H360Df: May damage the unborn child. Suspected of damaging fertility.

H400: Very toxic to aquatic life.

R50: Very toxic to aquatic organisms.

R61: May cause harm to the unborn child.

R62: Possible risk of impaired fertility.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.