



**MATERIAL SAFETY DATA SHEET**

Product Name **DIBUTYL PHTHALATE**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Supplier Name** Universal Dry Cleaning Solutions Pty Ltd  
**Address** 3 Spireton Place Pendle Hill NSW 2145  
**Telephone** 02 9688 2022  
**Fax** 02 9688 2044  
**Emergency** 1800 201 700  
**Email** consumables@udcs.com.au  
**Web Site** http://www.universaldrycleaningsolutions.com.au  
**Synonym(s)** NOT APPLICABLE • SUBSTANCE # 000032002401  
**Use(s)** Softening agent for Vinyl Suede  
**MSDS Date** 28 October 2013

**2. HAZARDS IDENTIFICATION**

**CLASSIFIED AS HAZARDOUS SUBSTANCE ACCORDING TO SWA AUSTRALIA**

**RISK PHRASES**

R50 Very Toxic to Aquatic Organisms (Repr. Cat 2)  
R61 May Cause Harm to Unborn Child  
R62 Possible risk of impaired fertility

**SAFETY PHRASES**

S36/37 Wear suitable protective clothing & gloves  
S53 Avoid Exposure. Obtain special instructions before use.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

**UN No.** 3082 **DG Class** 9 **Subsidiary Risk(s)** None Allocated  
**Packing Group** III **Hazchem Code** 3Z **EPG** 8A1

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Ingredient	Formula	CAS No.	Content
DIBUTYL PHTHALATE		84-74-2	100%

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## 4. FIRST AID MEASURES

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<b>Eye</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 20 minutes.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap & running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.
<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
<b>Ingestion</b>	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor** Treat symptomatically. No known specific antidote.

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## 5. FIRE FIGHTING MEASURES

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**Flammability** Combustible liquid.

**Precautions for Fire Fighters** Fire fighters to wear self-contained breathing apparatus & suitable protective clothing if risk of exposure to vapor or products of combustion.

**Extinguishing** Fine Water Spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazchem Code** 3Z

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## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency Procedures:** Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

**Methods & Materials for Containment & Clean Up:** Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin & eye contact and breathing in vapors. Work up wind or increase ventilation. Contain – Prevent run off into drains & waterways. Use absorbent (soil, sand or other inert material). Collect & seal in properly labeled containers or drums for disposal. For large amounts, pump off product.

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## 7. STORAGE AND HANDLING

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**CLASSIFIED as a C2 (COMBUSTIBLE LIQUID)** for the purpose of storage & handling, in accordance with the requirements of AS 1940. Refer to state Regulations for storage & transport requirements.

**Storage** Store in cool, dry, well ventilated area & out of direct sun light. Removed from sources of ignition, incompatibles materials described in Section 10. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

**Handling** Use in a well ventilated area. Avoid breathing in spray or mists or vapours. Avoid skin or eye contact. Do not use near welding or other ignition sources and avoid sparks.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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**Dibutyl phthalate:** 8hr TWA-5 mg/m<sup>3</sup>  
As published by the national OH&S Commission.

TWA-The time-weighted average airborne concentration over an eight hour working day, for a five day working week over an entire working life.

The exposure standards are guides to be used in the control of occupational hazards. All atmospheric contamination should be kept to as low a level as is possible. These exposure standards should not be used as fine dividing lines between safe & dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Biological Limits** No biological limit allocated.

**Engineering**

**Controls** Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.

**PPE** Wear splash-proof goggles and PVC or rubber gloves. Overalls, Safety Shoes & respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	COLOURLESS LIQUID	<b>Solubility (Water)</b>	SOLUBLE IN MOST ORGANIC SOLVENTS
<b>Odour</b>	FAINT	<b>Specific Gravity</b>	1.0465 @20C
<b>Ph (neat)</b>	11.0 – 12.0	<b>Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	<0.1 HpA @ 20C	<b>Flammability</b>	0.5% v (167C, 5.5 HpA), 1.8% v (195.3C, 18.7 HpA).
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	188C
<b>Boiling Point</b>	180-186C (7 MBAR)	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	-69C (Pour point)	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE		

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	NO INFORMATION AVAILABLE
<b>Conditions to Avoid</b>	NONE KNOWN
<b>Material to Avoid</b>	Incompatible with STRONG oxidizing agents.
<b>Decomposition</b>	NO HAZARDOUS DECOMPOSITION PRODUCTS IF STORED AND HANDLED CORRECTLY.
<b>Hazardous Reactions</b>	Reacts with STRONG oxidizing agents

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## 11. TOXICOLOGICAL INFORMATION

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<b>Health Hazard</b>	Corrosive. This product has the potential to cause acute and chronic health effects with over exposure. Upon dilution, the potential for adverse health effects will be reduced markedly. Use safe work practices to avoid direct eye or skin contact and vapour/mist inhalation.
<b>Eye</b>	Maybe an eye irritant.
<b>Inhalation</b>	Material may be irritant to the mucous membranes of the respiratory tract (airways).
<b>Skin</b>	Contact with skin may result in irritation.
<b>Ingestion</b>	Ingestion may result in nausea, vomiting and abdominal pain and diarrhea.
<b>Toxicity Data</b>	Acute toxicity (Ammonium hydroxide).

Oral LD50 (rat): 6300mg/kg  
Dermal LD50 (rabbit): >4000mg/kg  
Inhalation LC50 (rat): >15mg/L/4h  
Skin: non irritant (rabbit)  
Eyes: non irritant (rabbit)

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Avoid contaminating waterways
<b>Persistence / Degradability</b>	Phthalate esters undergo >50% ultimate degradation within 28 days in standardized aerobic biodegradation tests with sewage sludge inocula. Biodegradation is expected to be the dominant loss mechanism in surface waters, soils and sediments. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environment Protection</b>	Do not allow product to enter drains, waterways or sewers.
<b>Log Octanol/Water Partition Coefficient</b>	4.6-4.9
<b>48hr EC50 (Daphnia Magna)</b>	3.4 mg/L
<b>96hr LC50 (fish)</b>	0.92 mg/L (Pimephales Promelas)

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## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal** For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

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## 14. TRANSPORT INFORMATION

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### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIBUTYL PHTHALATE)				
<b>UN No.</b>	3082	<b>DG Class</b>	9	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Packing Group</b>	III	<b>Hazchem Code</b>	3Z	<b>EPG</b>	NOT AVAILABLE

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## 15. REGULATORY INFORMATION

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**Poison Schedule** NONE ALLOCATED

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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**Additional Information** CERHR (2002). Centre for the Evaluation of Risks to Human Reproduction. Phthalate esters. Available on the internet. Supplier Material Safety Data Sheet: 02/2009

**HEALTH EFFECTS FROM EXPOSURE:**

Available Evidence from Animal studies indicate that repeated or prolonged exposure to this material could result in effects on the reproductive system.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this UDS report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Report Status**

This Material Safety Data Sheet document has been compiled by Universal dry Cleaning Solutions. Further clarification regarding any aspect of this product should contact UDS. While UDS Detergents has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible UDS accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

**End of Report****Prepared By**

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