



**MATERIAL SAFETY DATA SHEET**  
**ALPHA DP2246 WHITE & GREY**

*Revised Date: June 2011*

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MODIFIED by HOLDTITE AUSTRALIA

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

**Product Name:** ALPHA DP2246 WHITE & GREY

**Other Names:** DP2246 WHITE & GREY

**Use:** General Purpose Polyurethane

**Part Number:** DP2246 (310mls)

**Supplier:** Holdtite Australia Pty Ltd  
**Address:** 21 Heath Street  
Lonsdale, South Australia, 5160

**Emergency Tel:** +61 1300 552 680  
**Telephone:** +61 8 8186 0844  
**Fax:** +61 8 8186 0252

**Emergency Contact Name:**  
**Emergency Contact Address:** See Above Address

**Other Information:** The information below 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.

**SECTION 2. HAZARDOUS IDENTIFICATION**

**Risk Phrases**  
**R10** Flammable  
**R42** May cause sensitization by inhalation.

**Safety Phrases**  
**S23** Do not breathe vapour/spray  
**S38** In case of insufficient ventilation, wear suitable respiratory equipment  
**S45** In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)  
**P4** Contains isocyanates. See information supplied by the manufacturer.



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**SECTION 3. COMPOSITION/INFORMATION OF INGREDIENTS**

Flammable. May cause sensitization by inhalation

CLASSIFICATION R42. R10.

Name	EC No	Cas-No	Content	Classification
DIPHENYLMETHANE-4,4' – DI-ISOCYANATE	202-966-0	101-68-8	<1%	Xn;R20 R42/43 Xi;R36/37/38
Thiodiethylene bis(3-3,5-di-tertbutyl-4hydroxyphenyl) propionate	255-392-8	41484-35-9	<1%	N;R51/53
Xylene	215-535-7	1330-20-7	5-10%	R10, Xn, R10/21 Xi, R38

**SECTION 4. FIRST AID MEASURES**

<b>Inhalation</b>	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.
<b>Ingestion</b>	DO NOT INDUCE VOMITING! Get medical attention immediately
<b>Skin Contact</b>	Remove affected person from source of contamination, Remove contaminated clothing. Wash skin immediately with soap and water. Get medical attention if any discomfort continues.
<b>Eye Contact</b>	Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water while lifting lids – continue to rinse for at least minutes. Get medical attention if any discomfort continues.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry chemicals, sand dolomite etc
<b>Special Fire Fighting</b>	
<b>Procedures</b>	Isocyanates will support combustion. Avoid breathing fire vapours.
<b>Specific Hazards</b>	Fire creates: Carbon dioxide (CO <sub>2</sub> ). Carbon Monoxide (CO) Oxides of : Nitrogen. Isocyanate vapours Hydrogen cyanide (HCN).
<b>Protective Measures</b>	Self contained breathing apparatus and full protective clothing must be worn in case of fire

**SECTION 6. ACCIDENTIAL RELEASE MEASURES**

<b>Spill clean up methods</b>	Ventilate well. Wear necessary protective equipment. Allow to cure and remove as inert industrial waste.
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### SECTION 7. HANDLING AND STORAGE

<b>Usage Precautions</b>	Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Persons susceptible for allergic reactions should not handle this product
<b>Storage Precautions</b>	Store in tightly closed original container in a dry, cool and well ventilated place. Keep in original container. Deep separate from food, feedstuffs, fertilizers and other sensitive material.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT-ppm	LT-mg.m3	ST-ppm	ST-mg/m3
DIPHENYLMETHANE-4,4' - DI-ISOCYANATE	WEL		0.022mg/m3 (Sen)		0.07 mg/m3(Sen)
Xylene	WEL	50 ppm (Sk)	220 mg/m3 (Sk)	100 ppm (Sk)	441 mg/me (Sk)

<b>Ingredient Comments</b>	WEL = Workplace exposure limits
<b>Engineering Measures</b>	Provide adequate ventilation
<b>Respiratory Equipment</b>	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit
<b>Hand Protection</b>	Protective gloves should be used if there is a risk of direct contact or splash.
<b>Eye Protection</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact
<b>Other Protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>Hygiene Measures</b>	DO NOT SMOKE IN THE WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Viscous Liquid
<b>Colour</b>	Grey, White
<b>Odour</b>	Aromatic
<b>Solubility</b>	Insoluble in water
<b>Boiling Point</b>	137C
<b>Relative Density</b>	1.17
<b>Flash Point oC</b>	40-55CC (Closed cup)

### SECTION 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal temperature conditions and recommended use
<b>Conditions to avoid</b>	Isocyanates react with water amines and acids with generation of heat. In the case of water, carbon dioxide is evolved and closed containers may rupture due to pressure increase if contaminated with moisture.
<b>Hazardous Decomposition Products</b>	Fire creates: Irritating gases/vapours/fumes of: Carbon dioxide (CO <sub>2</sub> ), Carbon monoxide (CO) Oxides of Sulphur



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**SECTION 11. TOXICOLOGY INFORMATION**

<b>Inhalation</b>	May cause sensitization by inhalation. May cause irritation to the respiratory system.
<b>Ingestion</b>	May cause discomfort if swallowed
<b>Skin Contact</b>	Slightly irritating
<b>Eye Contact</b>	Irritating to eyes
<b>Health Warnings</b>	Preparation contains small volumes of isocyanate which may cause allergic reaction and irritation of respiratory system

**SECTION 12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Mobility</b>	Product is insoluble in water
<b>Bioaccumulation</b>	Not determined
<b>Degradability</b>	Not determined
<b>Water Hazard Classification</b>	Class 1 (self assessment): slightly hazardous for water

**SECTION 13. DISPOSAL CONSIDERATIONS**

<b>General Information</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product
<b>Disposal Methods</b>	Dispose of waste and residues in accordance with local authority requirements. Allow to moisture cure. Treat as inert, solid industrial waste

**SECTION 14. TRANSPORT INFORMATION**

<b>General</b>	Not subject to ADR, RID, ADNR & IMDG, viscous liquid with a flash point ranging from 23 C to 61 C, which meets the conditions indicated in 2.2.3.1.5 of ADR, RID & ADNR & in 2.3.3.5 of IMDG		
<b>Air Transport Noted</b>	<b>Packing instructions Passenger Aircraft 309/309Y. Packing instruction Cargo Aircraft 310</b>		
<b>IMDG Class</b>	<b>3</b>		
<b>IMDG Pack GR</b>	<b>III</b>	<b>EMS: F-E, S-E</b>	<b>UN NO.Air 1993</b>
<b>Air Class</b>	<b>3</b>	<b>Air Pack Gr: III</b>	



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**SECTION 15. REGULATORY INFORMATION**

<b>Labeling</b>	HARMFUL
<b>Contains</b>	DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
<b>UK Regulatory References</b>	The Control of Substances Hazardous to Health Regulations 1988.
<b>EU Directives</b>	Dangerous Substance Directive 1999/45/EC. System of specific information relating to Dangerous Preparation. 2001/58/EC
<b>Statutory Instruments</b>	Chemical (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
<b>Guidance Notes</b>	<b>Workplace Exposure Limits EF40. CHIP for everyone HSG (108)</b>
<b>National Regulations</b>	Workplace Exposure Limits 2005 (EH40)

**SECTION 16. OTHER INFORMATION**

<b>Information Sources</b>	Dangerous Properties of Industrial Materials Report, N.Sax et.al
<b>Risk Phrases in full</b>	
<b>R10</b>	Flammable
<b>R11</b>	Highly Flammable
<b>R20</b>	Harmful by inhalation
<b>R20/21</b>	Harmful by inhalation and in contact with skin
<b>R36/37/38</b>	Irritating to eyes, respiratory system and skin.
<b>R37/38</b>	Irritating to respiratory system and skin
<b>R38</b>	Irritating to skin
<b>R41</b>	Risk of serious damage to eyes
<b>R42/43</b>	May cause sensitization by inhalation and skin contact
<b>R48/20</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
<b>R51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment
<b>R63</b>	Possible risk of harm to the unborn child
<b>R65</b>	Harmful: May cause lung damage if swallowed
<b>R67</b>	Vapours may cause drowsiness and dizziness

**CONTACT POINT**

Technical Contact  
Numbers: Head Office Tel: 1300 552 680

\*\*End of MSDS\*\*