



# Material Safety Data Sheet

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Issue date: June 2010

## AD-6 Part B

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** AD-6 Part B

**Synonym:** None

**Use:** Polyurethane Primer

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### 2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO NOHSC CRITERIA

**Hazard Category:** Irritant (Xi)

**Hazard Classification:** HAZARDOUS SUBSTANCE, DANGEROUS GOOD

#### RISK PHRASES

R11 Highly flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.

#### SAFETY PHRASES

S7/9 Keep container tightly closed and in a well ventilated place.  
S16 Keep away from sources of ignition - No smoking.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor.  
S45 In case of accident or if you feel unwell, contact a doctor immediately and show this container or label.

**Poison Schedule:** S5 [Aust]

This material is a Scheduled **S5** Poison and must be stored, handled and used according to the appropriate regulations.

#### Warning Statement:

Avoid breathing vapours. Avoid eye contact. Highly flammable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
1-METHOXY-2-PROPYL ACETATE	Greater than 60%	108-65-6
ETHANOL	1 to 10%	64-17-5
SEC-BUTANOL (Below Cut-off)	1 to 10%	78-92-2
PHOSPHORIC ACID (Below Cut-off)	1 to 10%	7664-38-2

All other ingredients not hazardous according to NOHSC Criteria.

### 4. FIRST AID MEASURES

#### Swallowed:

If swallowed, DO NOT induce vomiting. Give victim one or two glasses of water or milk. Seek medical assistance.



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### Eye:

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. Get prompt medical attention.

### Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap. Flush skin with large amounts of water. Get medical attention if symptoms occur.

### Inhaled:

Remove victim to fresh air. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Get immediate medical attention.

### First Aid Facilities:

Eye wash fountain, safety shower and normal washroom facilities.

### Advice to Doctor:

Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre**

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

## 5. FIRE-FIGHTING MEASURES

### Fire/Explosion Hazard

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical, foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full fire fighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and vapour. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and /or toxic gases and particulates may be generated by thermal decomposition or combustion.

**HAZCHEM CODE:** 3[Y] [Aust]

### FLAMMABILITY

Flammable liquid. Avoid all sources of ignition, heat and naked flames. Vapours may travel a considerable distance to source of ignition and ignite.

## 6. ACCIDENTAL RELEASE MEASURES

Keep non-essential personnel a safe distance from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapours. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS.

## 7. HANDLING AND STORAGE

### HANDLING:

Keep closure tight and container upright to prevent leakage. Ground containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapour or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapours, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.



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### STORAGE:

Do not store or use near heat, sparks, or open flame. Store only in well-ventilated areas. Do not puncture, drag or slide container. Keep container closed when not in use. Refer to AS1940 - "The Storage and Handling of Flammable and Combustible Liquids" for specific storage requirements.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

- **1-METHOXY-2-PROPYL ACETATE**

(ACGIH)

[TWA] 100 ppm

- **ETHANOL**

(Worksafe Australia)

[TWA] 1,000 ppm      1,880 mg/m<sup>3</sup>

References: H

(ACGIH)

[TWA] 1,000 ppm      1,880 mg/m<sup>3</sup>

Carcinogen Category: A4

- **SEC-BUTANOL (Below Cut-off)**

(Worksafe Australia)

[TWA] 100 ppm      303 mg/m<sup>3</sup>

References: H

(ACGIH)

[TWA] 100 ppm      303 mg/m<sup>3</sup>

- **PHOSPHORIC ACID (Below Cut-off)**

(Worksafe Australia)

[TWA] 1 mg/m<sup>3</sup>

[STEL] 3 mg/m<sup>3</sup>

References: H

(ACGIH)

[TWA] 1 mg/m<sup>3</sup>

[STEL] 3 mg/m<sup>3</sup>

### Engineering Controls

Flammable liquid. Maintain adequate ventilation at all times. Solvent vapours are heavier than air - prevent accumulation in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may form vapours, mists or fumes which may require local exhaust ventilation systems.

### Personal Protection Equipment

CLOTHING: Use disposable or impervious clothing to prevent contact.

GLOVES: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYES: Use safety eyewear including safety glasses with side shields, chemical goggles or a face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive



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pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid, solvent odour
<b>Boiling Point Melting Point:</b>	Boiling range = 78 to 200°C
<b>Vapour Pressure:</b>	Not determined
<b>Specific Gravity:</b>	0.94
<b>Flash Point:</b>	23°C (73°F) (closed cup)
<b>Flammability Limits:</b>	LEL = 1.3%, UEL = 19% (% by volume)
<b>Solubility in Water:</b>	Insoluble

#### Other Properties

% Volatile (by weight) = 98.3%  
% Volatile (by volume) = 99.1%

### 10. STABILITY AND REACTIVITY

#### STABILITY:

Stable under normal conditions of use and storage.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Emits carbon monoxide, carbon dioxide, and corrosive acid vapours when heated to decomposition.

#### HAZARDOUS POLYMERIZATION:

Will not occur under normal conditions.

#### INCOMPATIBILITIES:

Strong acids, bases, and strong oxidisers.

#### CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### ACUTE HEALTH EFFECTS:

##### Swallowed:

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

##### Eye:

Will cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. Depending upon duration of exposure, eye damage may occur.

##### Skin:

May cause irritation to the skin, with effects including; Redness and itchiness.

##### Inhaled:

May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

##### Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged contact may cause severe eye irritation and some form of permanent eye damage may occur.

May cause liver or kidney damage.



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Repeated or prolonged exposure may result in permanent central nervous system damage.

### Toxicological Data:

There is no other toxicological information available for this product.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

There is no information available for this product.

### Mobility:

There is no information available for this product.

### Persistence / Degradability:

There is no information available for this product.

### Chemical Fate Information:

There is no information available for this product, however, it may cause long-term adverse effects in the environment, so avoid release into drains, wastewater or waterways.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be done in accordance with federal, state and local environmental control regulations. Use a licensed hazardous waste transporter and disposal facility.

## 14. TRANSPORT INFORMATION

### Road Transport

UN Number: 1263

Proper Shipping Name: PAINT

Dangerous Goods Class: 3

Packing Group: III

Label: Irritant (Xi)

### Air Transport

UN Number: 1263

Proper Shipping Name: PAINT

Dangerous Goods Class: 3

Packing Group: III

Label: Irritant (Xi)

### Sea Transport

UN Number: 1263

Proper Shipping Name: PAINT

Dangerous Goods Class: 3

Packing Group: III

Label: Irritant (Xi)

## 15. REGULATORY INFORMATION

Poison Schedule: S5 [Aust]

### Inventory Status:

Inventory Status

Australia (AICS) Y

Y = all ingredients are on the inventory.



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### 16. OTHER INFORMATION

**Date of Preparation:**

Issue date: 28 June 2010

Supersedes: July 2007

**Reasons for Update:**

Periodic review

**Key Legend Information:**

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Material Safety Data Sheet (MSDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

**Disclaimer**

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

**Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**END OF MSDS**