

880562
HYDROALKYD EXTERIOR PLUS
Version No. 4 Date Last Revised 08/04/2009

Safety Data Sheet

Customer Not Specified

Sales Ord. No :

Product Code

880562

Date Sent

8/04/2009

1. Product and company identification

Not classified as Hazardous according to criteria of the Australian Safety and Compensation Council.

This product is not a Dangerous Good for Transport.

Product Name	HYDROALKYD EXTERIOR PLUS
Product Code	880562
Intended use	This product is intended for use in the general industrial market. Refer Technical Data Sheet.
Application Method	For professional use only. Apply by curtain coater. Refer Technical Data Sheet.
Company Name	Akzo Nobel Pty Limited 51 McIntyre Road Sunshine North Victoria 3020 Australia
Telephone No.	(03) 9313 4555
Fax No.	(03) 9311 9141
24 hour Emergency Telephone No.	1800 807 001
For Poisons Advice telephone	131 126 For Advice to Doctors & Hospitals only

2. Hazard Identification

S7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No Smoking.

Poison Schedule: none assigned

HSNO Number: Not Applicable

Further information is given in section 11.

of such information.

Page : 1

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880562
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Version No. 4 Date Last Revised 08/04/2009

3. Composition / information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. Users are referred to the Australian Safety and Compensation Council (ASCC) website www.ascc.gov.au for more information.

Ingredient	CAS Number	Concentration Range%	Symbol(s)	Risk phrases (*)
Calcium carbonate	0001317-65-3	10 - 25		
Titanium dioxide	0013463-67-7	10 - 25		
Talc	0014807-96-6	2.5 - 10		
Kerosine (petroleum)	0008008-20-6	1 - 2.5	Xn	R65
Zirconium carboxylate	0022464-99-9	<1	Xi	R38
1-Propanol, 2-amino-2-methyl-	0000124-68-5	<1	Xi	R36, R38
Ammonium hydroxide	0001336-21-6	<1	C,N	R34, R50
Di-2-ethylhexyl sodium sulphosuccinate	0000577-11-7	<1		

Other ingredients in this product have been determined not to be hazardous

* The full text of the above phrases are shown in section 16.

4. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Not expected to be acutely toxic by inhalation. However product contains some co-solvents that can be moderately toxic. Inhalation of vapours may cause nose and throat irritation. May also cause nervous system effects such as dizziness, nausea, headache and sleepiness.

Remove to fresh air and keep patient warm and at rest if any effects apparent. If breathing is irregular, or has stopped, administer artificial resuscitation. Give nothing by mouth.

Seek medical attention if any effects persist.

Eye Contact

Direct eye contact may cause moderate to severe irritation. The vapour is irritating to the eyes.

Irrigate copiously with clean fresh water for 15 minutes, holding the eyelids apart. Seek medical attention.

Skin Contact

Prolonged contact with the skin may have a defatting effect leading to irritation and, in some cases, irritant contact dermatitis.

Remove contaminated clothing and launder before re-use. Wash effected areas with soap and water or an industrial skin cleaner. Seek medical attention if irritation persists.

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880562
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Version No. 4 Date Last Revised 08/04/2009

Ingestion

Moderately toxic if swallowed.
Tends to break up into foam if the patient vomits.

If swallowed do NOT induce vomiting due to the hazard of solvent aspiration into the lungs which may cause mild to severe pulmonary injury.

Give a glass of water. Seek medical attention.

5. Fire-fighting measures

This product is combustible.

Material will burn, emitting dense black smoke containing harmful combustion products.

Closed containers may explode when exposed to extreme heat. Keep unopened containers cool with water spray.

Recommended extinguishing media; water spray, foam (large fires) - CO₂, powder (small fires). When entering enclosed areas, wear self contained breathing apparatus.

Do not allow contaminants and water from fire fighting to enter drains or water courses.

6. Accidental release measures

In confined areas wear protective equipment as detailed in Section 8.

Ventilate area. Contain and collect spillage with non-combustible absorbent materials (eg sand, earth, vermiculite). Transfer to sealed containers for disposal.

Do not allow into drains or water courses.

Dispose of in a chemical waste disposal area in accordance to relevant State and Federal regulations.

7. Handling and storage**Handling**

Avoid damaging containers. Keep lid on when not in use.

Handlers of this product should wash hands and face prior to meals and smoking.

In Storage

Handle containers carefully to prevent damage and spillage.

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880562
HYDROALKYD EXTERIOR PLUS
Version No. 4 Date Last Revised 08/04/2009

In Use

Avoid skin and eye contact. Avoid inhalation of vapour. Observe label precautions. Use personal protection equipment as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

Storage

Store in cool, dry area, away from heat, sparks and naked flames.
 Keep containers sealed when not in use.

8. Exposure controls and personal protection

Engineering Measures

Although this is a water based coating there is sufficient solvent present as co-solvent to generate potentially flammable atmospheres in certain circumstances.

When using this product it is good practice to earth application equipment to prevent spark formation.

Use in a well ventilated area to prevent vapour build up.

If applying this product in an enclosed area ensure that there is sufficient mechanical ventilation to maintain solvent vapour levels below the recommended exposure standard.

Exposure Limits

From the ASCC "Exposure Standards for Atmospheric Contaminants in the Occupational Environment". For detailed information refer to the ASCC web site (www.ascc.gov.au).

Material	Short term (15 min. ave)		Long term (8hr time weighted average)	
	ppm	mg/M3	ppm	mg/M3
Calcium carbonate	-	-	-	10
Talc	-	-	-	2.5
Titanium dioxide	-	-	-	10

Chemicals classified as hazardous by the ASCC may have a notification alongside the exposure standard. If such a notification is necessary, it will appear in the far right hand column. The legend is as follows:

- (P) Peak exposure limit
- (R) Suppliers Recommended Limit
- (Sk) There is a risk of absorption through unbroken skin
- (Sen) Sensitiser
- (Cat1) Category 1 - established human carcinogen
- (Cat2) Category 2 - probable human carcinogen
- (Cat3) Category 3 - substances suspected of having carcinogenic potential.

There is no biological limit allocated.

Personal Protection**Respiratory Protection**

In well ventilated areas and spray booths that will maintain vapour levels below the recommended standards - no respiratory equipment is required.

In confined spaces, or areas with limited ventilation where any exposure standard may be exceeded, wear a cartridge respirator fitted with a cartridge suitable for organic vapours and particulates.

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880562
HYDROALKYD EXTERIOR PLUS
Version No. 4 Date Last Revised 08/04/2009

Eye Protection

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Hand Protection

Wear nitrile or similar chemical resistant gloves to keep skin contact to a minimum.
 Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Skin Protection

Wear overalls to keep skin contact to a minimum.

9. Physical and chemical properties

Physical State	Liquid
Colour	Light Coloured
Flash Point (deg C closed cup)	N/A
Autoignition temperature	225
Viscosity (cSt)	N/A
Specific Gravity	1.540
Solvent Weight %	2.16
Vapour Density	Heavier than air.
pH	N/A
Lower Explosive Limit (%v/v air)	0.8
Solubility in Water	Miscible
R.A.Q. to ventilate to 10% of the LEL (M3/l)	8.00
Odour	Smell of Solvent

10. Stability and reactivity

This product is stable under normal storage and handling conditions (see Section 7). When exposed to high temperatures may produce hazardous decomposition products such as oxides of carbon and nitrogen and smoke.

11. Toxicological information

There are no data available on the product itself.

In the case of 2-Butoxy Ethanol (or 2-Butoxyethyl acetate), liquid and vapour can be absorbed through the skin with resultant toxic effects. Extended inhalation studies in rats resulted in effects on the lungs, liver, kidneys and blood at high concentrations. In all cases rapid recovery occurred after removing from exposure. No effects level was 25ppm.

880562
HYDROALKYD EXTERIOR PLUS
Version No. 4 Date Last Revised 08/04/2009

12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

13. Disposal considerations

Do not allow into drains or watercourses.

As waste regulations vary, use information provided in this data sheet to obtain advice from the local Waste Regulation Authority.

14. Transport information

Transport only in accordance with the following regulations:

Road and Rail
Transport Non Hazardous

IMDG reference :	Class/Div.		Subsidiary Class
	Proper Shipping Name	Non Hazardous	
	UN No.		MFAG
	EMS		
	Packaging Group		
	Marine pollutant	No	

ICAO/IATA	Shipping Name
	Class
	UN No.
	Packaging Group

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880562
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Version No. 4 Date Last Revised 08/04/2009

15. Regulatory information

The following information is provided in accordance with ASCC guidelines for the labelling of Hazardous Substances.

Symbol(s)

Contains;

R. Phrases;

S. Phrases;

S7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No Smoking.

P. Phrases;

16. Other information

Contact point:

HSE Department - Health and Safety Advisor
+61 (0)3 9313 4555

The information on this MSDS is based upon the present state of our knowledge and on current State and Federal laws. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice. It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Material Safety Data Sheet is required according to State and Federal legislation and following ASCC guidance (as amended).

The full text of the R phrases appearing in section 3 is:

R22 - Harmful if swallowed.

R34 - Causes burns.

R36 - Irritating to eyes.

R38 - Irritating to skin.

R50 - Very toxic to aquatic organisms.

R65 - Harmful: May cause lung damage if swallowed.

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