

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name PROMAT WATERBORNE TOPSEAL

Synonyms TOPSEAL WATERBORNE, WATERBORNE TOPSEAL.

Uses SEALANT, INDUSTRIAL APPLICATIONS.

Supplier Name PROMAT AUSTRALIA PTY LTD

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2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
AMMONIUM HYDROXIDE	NH ₄ -OH	<1%	1336-21-6
WATER	H ₂ O	>50%	7732-18-5
TALC	H ₂ -O ₃ -Si ₃ /4Mg	Not Available	14807-96-6
DIETHYLENE GLYCOL MONOBUTYL ETHER	C ₈ -H ₁₈ -O ₃	Not Available	112-34-5
CALCIUM CARBONATE	Ca-C-O ₃	Not Available	1317-65-3

4. FIRST AID MEASURES

Eye Flush gently with running water. Seek medical attention if irritation develops.

Inhalation If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

Skin Remove contaminated clothing and gently flush affected areas with water. Seek immediate medical attention. Launder clothing before reuse.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. No fire or explosion hazard exists.

Fire and Explosion Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Non flammable.

Hazchem Code None Allocated

Colour
Rating
GREEN

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), wear splash-proof goggles, PVC/rubber gloves, coveralls and rubber boots. Absorb spill with sand or similar, collect and place in sealable containers for disposal. Prevent spill entering drains or waterways. Caution: Slippery when spilt.

7. HANDLING AND STORAGE

Handling Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene. Prohibit eating, drinking and smoking in contaminated areas. Wash hands before eating. Remove contaminated clothing and protective equipment before entering eating areas.

Storage Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Exposure Standards AMMONIUM HYDROXIDE (1336-21-6)
TWA : 25 ppm (18 mg/m³) as Ammonia
STEL : 35 ppm (27 mg/m³) as Ammonia

TALC (14807-96-6)
TWA : 2.5 mg/m³ (Respirable dust)
WES : 2 mg/m³

CALCIUM CARBONATE (1317-65-3)
TWA : 10 mg/m³
WES : 10 mg/m³

PPE Wear splash-proof goggles or safety glasses and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: VISCOUS COLOURED LIQUID
Odour: FAINT AMINE ODOUR
pH: 8.5 - 9.0
Vapour Pressure: NOT AVAILABLE
Vapour Density: NOT AVAILABLE
Boiling Point: NOT AVAILABLE
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
Solubility (water): SOLUBLE
Specific Gravity: 1.2 - 1.4
% Volatiles: NOT AVAILABLE
Flammability: NOT AVAILABLE
Flash Point: NOT AVAILABLE
Upper Explosion Limit: NOT AVAILABLE
Lower Explosion Limit: NOT AVAILABLE
Autoignition Temperature: NOT AVAILABLE

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10. STABILITY AND REACTIVITY

- Reactivity** Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).
- Decomposition Products** May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

- Health Hazard Summary** Low toxicity - low irritant. This product has the potential to cause adverse health effects only with direct eye contact, prolonged and repeated skin contact or vapour inhalation in poorly ventilated areas. Due to the very low concentration of ammonia present, adverse health effects associated with this compound are not anticipated with normal use.
- Eye** Low to moderate irritant. Direct contact may result in irritation, pain and redness.
- Inhalation** Low irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.
- Skin** Low irritant. Prolonged and repeated contact with the skin may result in mild irritation.
- Ingestion** Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation.
- Toxicity Data** AMMONIUM HYDROXIDE (1336-21-6)
LD50 (Ingestion) : 350 mg/kg (rat)
- DIETHYLENE GLYCOL MONOBUTYL ETHER (112-34-5)
LD50 (Skin) : 2700 mg/kg (rabbit)
LD50 (Ingestion) : 2000 mg/kg (guinea pig)

12. ECOLOGICAL INFORMATION

- Environment** ATMOSPHERE: Ammonia is readily returned to the soil by washout from rain. SOIL: Ammonia is strongly adsorbed to the soil. WATER: Rapidly converted to nitrates resulting in an increase in the pH of water and an oxygen demand (BOD) several days after the introduction of ammonia. Highly toxic to fish - levels of 1 ppm in water may be fatal to some species.

13. DISPOSAL CONSIDERATIONS

- Waste Disposal** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.
- Legislation** Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

- Transport** Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail.
- UN Number** None Allocated
- DG Class** None Allocated
- Subsidiary Risk(s)** None Allocated
- Packing Group** None Allocated

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14. TRANSPORT INFORMATION cont.

Hazchem Code

None Allocated

15. REGULATORY INFORMATION

Poison Schedule

Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16. OTHER INFORMATION

Additional Information

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert 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. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

MSDS Reviewed

1st January 2004

Date Printed

2nd September 2004

Colour Rating GREEN

16. OTHER INFORMATION cont.

Report Status

Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

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**Colour
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GREEN**