

# Safety *Data Sheet*

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product Identifier

**Product Name** PRECOAT  
**Synonyms** AMINE PLUS PRECOAT • APT2 • STONE PRECOAT FLUID • WP BASE

### 1.2 Uses and uses advised against

**Uses** ROAD SURFACING  
This product is applied at ambient temperatures.

### 1.3 Details of the supplier of the product.

**Suppliers Name** RICH RIVER ASPHALT PTY LTD  
**Address** 11 Despatch Street, Echuca, VIC, 3564, AUSTRALIA  
**Telephone** (03) 5410 1005  
**Email** [admin@richriverasphalt.com.au](mailto:admin@richriverasphalt.com.au)

### 1.4 Emergency Telephone numbers

**Emergency** (03) 5410 1005 (6:00am – 5:00pm EST)  
**Emergency (A/H)** 13 11 26 (Poisons Information Centre)

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### **Physical Hazards**

Flammable Liquids: Category 4

#### **Health Hazard**

Aspiration Hazard: Category 1  
Skin Corrosion/Irritation: Category 3  
Acute Toxicity: Inhalation: Category 4  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Carcinogenicity: Category 2

#### **Environmental Hazards**

Not classified as an Environmental Hazard

### 2.2 GHS Label elements

**Signal word** DANGER

#### **Pictograms**



**Hazard statements**

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways
H316	Causes mild skin irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.

**Prevention statements**

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P262	Do not get in eyes, on skin, or on clothing.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

**Response statements**

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use appropriate media for extinction

**Storage statements**

P403 + P233 + P235	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
P405	Store locked up.

**Disposal statements**

P501	Dispose of contents/container in accordance with relevant regulations.
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**2.3 Other Hazards**

Please see package labelling or manufacturer's literature for more detail on usage, handling, storage and disposal under different applications.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substance / mixtures**

Ingredient	CAS Number	EC Number	Content
FUELS, DIESEL (GASOIL - UNSPECIFIED)	68334-30-5	269-822-7	<70%
ASPHALT	8052-42-4	232-490-9	20 to 50%
ADHESION AGENT	-	-	<1.5%

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## **4. FIRST AID MEASURES**

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### **4.1 Description of first aid measures**

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
<b>Inhalation</b>	If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
<b>Ingestion</b>	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting
<b>First aid facilities</b>	Eye wash facilities and safety shower are recommended.

### **4.2 Most important symptoms and effects, both acute and delayed**

May be harmful. Use safe work practices to avoid eye or skin contact and inhalation. Bitumens, occupational exposure to straight-run bitumens and their emissions during road paving, are classified as possibly carcinogenic to humans (IARC Group 2B). Once cured, the inert solid material is considered non hazardous.

### **4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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## **5. FIRE FIGHTING MEASURES**

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### **5.1 Extinguishing media**

In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray. Do not use water jets.

### **5.2 Special hazards arising from substance or mixture**

Combustible. May evolve toxic gases (carbon/ sulphur/ nitrogen oxides, hydrogen sulphide, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights, mobile phones, etc when handling. Earth containers when dispensing fluids.

### **5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. 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.

### **5.4 Hazchem code**

None allocated.

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## **6. ACCIDENTAL RELEASE MEASURES**

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Allow material to cool. Contact emergency services where appropriate.

### **6.2 Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3 Methods of cleaning up**

Contain spillage, the cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

### **6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

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## **7. HANDLING AND STORAGE**

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### **7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems. At no stage should the container be heated if in a packaged form. This does not apply if are in stored in a bulk vessel with specially designed heating systems. Store as a Class C1 Combustible Liquid (AS1940).

### **7.3 Specific end uses**

Not applicable.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **8.1 Control parameters**

#### **Exposure standards**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Bitumen fume	SWA (AUS)	--	5	--	--

#### **Biological limits**

No biological limit values have been entered for this product

### **8.2 Exposure controls**

#### **Engineering controls**

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

## PPE

Personal protective equipment (PPE) should meet recommended national standards. Check PPE suppliers.

<b>Eye / Face</b>	Wear safety glasses or splash-proof goggles when handling material to avoid contact with eyes.
<b>Hands</b>	Wear chemical resistant gloves (eg. neoprene or nitrile) when handling material to prevent skin contact.
<b>Body</b>	Wear long sleeved shirt and full-length trousers
<b>Respiratory</b>	Where an inhalation risk exists in enclosed or partly enclosed environments (ie. underground carparks, large tanks, tunnels etc), wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator, dependent on a site specific risk assessment.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	BLACK LIQUID (IN USE); BLACK SEMI SOLID THERMOPLASTIC MATERIAL (WHEN CURED)
<b>Odour</b>	BITUMEN/PETROLEUM – LIKE ODOUR
<b>Flammability</b>	CLASS C1 COMBUSTIBLE
<b>Flash point</b>	>61°C
<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	NOT AVAILABLE
<b>pH</b>	NOT AVAILABLE
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	NOT AVAILABLE
<b>Solubility (water)</b>	INSOLUBLE
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT AVAILABLE
<b>Lower explosion limit</b>	NOT AVAILABLE
<b>Partition coefficient</b>	NOT AVAILABLE
<b>Autoignition temperature</b>	NOT AVAILABLE
<b>Decomposition temperature</b>	>300°C
<b>Viscosity</b>	NOT AVAILABLE
<b>Explosive properties</b>	NOT EXPLOSIVE
<b>Oxidising properties</b>	NON OXIDISING
<b>Odour threshold</b>	NOT AVAILABLE

### 9.2 Other Information

<b>Avg weight/m<sup>2</sup> when cured</b>	0.9kg/m <sup>2</sup>
<b>Expected temp. when cured</b>	Between ambient and 20°C above ambient
<b>Max temp. in use</b>	40°C

## 10. STABILITY AND REACTIVIY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. At no stage should the container be heated if in packaged form.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid), heat and ignition sources.

### 10.6 Hazardous decomposition products

May evolve toxic gases (carbon/ sulphur/ nitrogen oxides, hydrogen sulphide, hydrocarbons) when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### **Acute toxicity**

Harmful if inhaled. Inhalation may cause dizziness, drowsiness, breathing difficulties and unconsciousness. May be harmful if swallowed or in contact with skin.

#### **Information available for the ingredients:**

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
FUELS, DIESEL (GASOIL – UNSPECIFIED)	7500 mg/kg (rat)	-	-

#### **Skin**

Causes mild skin irritation. Contact may result in mild irritation, drying and defatting of the skin, rash and dermatitis.

#### **Eye**

Not classified as an eye irritant. However, direct contact may result in mild irritation, lacrimation, pain and redness

#### **Sensitisation**

Not classified as causing skin or respiratory sensitisation.

#### **Mutagenicity**

Insufficient data available to classify as a mutagen.

#### **Carcinogenicity**

Bitumens, occupational exposure to straight-run bitumens and their emissions during road paving, and hard bitumens and their emissions during mastic asphalt work, are classified as possibly carcinogenic to humans (IARC Group 2B). Diesel fuels, distillate (light) is not classifiable as to its carcinogenicity to humans (IARC Group 3).

#### **Reproductive**

Insufficient data available to classify as a reproductive toxin.

#### **STOT – single exposure**

Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness.

#### **STOT – repeated exposure**

Not classified as causing organ damage from repeated exposure.

#### **Aspiration**

Ingestion is considered unlikely due to product form. However, if liquid component is ingested, aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

There is currently insufficient data to classify the ecotoxicity of this product.

### 12.2 Persistence and degradability

Can be expected to biodegrade slowly.

### 12.3 Bio accumulative potential

This product is not expected to bioaccumulate.

### 12.4 Mobility in soil

Insoluble in water.

### 12.5 Other adverse effects

Avoid contamination of drains and waterways.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Waste disposal</b>	For small amounts 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.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
<b>14.1 UN Number</b>	None allocated.	None allocated.	None allocated.
<b>14.2 Proper Shipping Name</b>	None allocated.	None allocated.	None allocated.
<b>14.3 Transport hazard class</b>	None allocated.	None allocated.	None allocated.
<b>14.4 Packing Group</b>	None allocated.	None allocated.	None allocated.

### 14.5 Environmental hazards

No information provided.

### 14.6 Special precautions for user

**Hazchem code**           None allocated

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Poison schedule</b>	Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
<b>Classifications</b>	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling Chemicals.
<b>Inventory listings</b>	<b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b> All components are listed on the AICS or are exempt.

## 16. OTHER INFORMATION

**Additional information**      **PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, 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.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: form of product; 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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline)
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average



**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier. While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT 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 SDS

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**(End of SDS)**