

# Material Safety Data Sheet

## TYRE BLACK

Classified as hazardous according to criteria of NOHSC.

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### Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**PRODUCT NAME:** Tyre Black

**UN No.:** 1999

**OTHER NAME:** General Purpose Cutback Bitumen Paint

**DANGEROUS GOODS CLASS:** 3

**PACKAGING GROUP:** III

**SUB RISK:** N/A

**METHOD OF APPLICATION:** Roller, Brush or Spray

**HAZCHEM:** 2W

**MAJOR USES:** General purpose Bituminous paint

**POISONS SCHEDULE:** S5

**MANUFACTURER'S PRODUCT CODE:** 220-5060

### Section 2: HAZARDS IDENTIFICATION

**HAZARD CLASSIFICATION:** Classified as hazardous according to criteria of NOHSC

**RISK PHRASES:**

<b>R10</b>	Flammable.
<b>R67</b>	Vapours may cause drowsiness and dizziness.
<b>R20/21/22</b>	Harmful by inhalation, in contact with skin and if swallowed.
<b>R36/37/38</b>	Irritating to eyes, respiratory system and skin.

**SAFETY PHRASES:**

<b>S9</b>	Keep container in a well-ventilated place.
<b>S51</b>	Use only in well ventilated areas.
<b>S7/9</b>	Keep container tightly closed and in a well-ventilated place.
<b>S21</b>	When using, do not smoke.
<b>S23</b>	Do not breathe fumes/vapour/spray.
<b>S29</b>	Do not empty into drains.
<b>S38</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>S39</b>	Wear eye/face protection.

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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>PROPORTION</u>
BITUMEN	(8052-42-4)	40 - < 60 %
LIQUID HYDROCARBONS	(8042-47-5)	40 - < 60 %

### Section 4: First Aid Measures

#### FIRST AID

<b>SWALLOWED:</b>	Do not induce vomiting. Give a glass of water. <b>SEEK</b>
<b>MEDICAL AID.</b>	
<b>EYES:</b>	Flush thoroughly with water for at least 15 minutes. <b>IF</b>
	<b>IRRITATION PERSISTS, SEEK MEDICAL AID.</b>
<b>SKIN:</b>	Remove contaminated clothing. Wash skin thoroughly with
	soap and water.
<b>INHALATION:</b>	In case of accident by inhalation: remove casualty to fresh
	air and keep at rest. Apply artificial respiration if not
	breathing. <b>SEEK MEDICAL AID.</b>
<b>FIRST AID FACILITIES:</b>	First Aid kit to be located on site at all times.
<b>ADVICE TO DOCTOR:</b>	Product may be removed from skin using cotton wool pads
	soaked in castor oil or hand cleaner. Treatment should be
	directed at the control of symptoms/conditions.

### Section 5: Fire Fighting Measures

#### FIRE AND EXPLOSION HAZARD:

Closed containers may explode when exposed to extreme heat (fire). This product will emit flammable vapours if exposed to extreme heat. Will produce toxic fumes when burning.

#### **FLAMMABILITY -**

The product is flammable and may be ignited by flame, sparks or non-flameproof electrical equipment at temperatures above its flash point. Do not use close to ignition sources or in unventilated areas.

#### **HAZCHEM CODE -**

2W

#### **FIRE EXTINGUISHING MEDIA -** water fog.

Dry chemical, foam, carbon dioxide, and

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### SPECIAL FIRE FIGHTING PROCEDURES -

As for Cutback Bitumen. Fire fighters should use breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS -

Bitumen products give off dense vapours when heated strongly. Vapours may cause headaches, dizziness, irregular breathing and confusion when inhaled.

## Section 6: Accidental Release Measures

### STEPS TO TAKE TO MINIMISE A SPILL OR LEAK

- Do NOT allow the product to enter drains or watercourses.
- Clean up crews should wear protective clothing i.e., PVC gloves, safety shoes, eye protection. If there is no risk involved, stop leaks.
- Stay upwind; remove any source of ignition.
- Wherever possible spill material should be recovered into a sound container.
- For small spills, the residue should be absorbed onto a suitable absorbent such as earth, sand or proprietary absorbent.
- For large spills, contain the spill by using booms, etc. Inform regulatory authorities immediately (e.g. Fire Brigade, EPA).

## Section 7: Handling and Storage

**DANGEROUS GOODS CLASS:** 3 PG III

**SUB RISK:**

Not Applicable

**Storage** should be as for a manufactured packaged product containing class 3 flammable liquid. Store in areas/building designed to comply with the appropriate dangerous goods regulations. Protect from physical damage. Keep container closed when not in use. Do not use pressure to empty drums.

**Transport** should be in accordance with the Australian Dangerous Goods Code for the transport of dangerous goods by road and rail.

## Section 8: Exposure Controls, Personal Protection

**National Exposure Standards:** There is no Australian Workplace Standard for this product. Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

### ENGINEERING CONTROLS:

- a) Process modification to eliminate substance – Not Applicable

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- b) Segregation of processes from personnel and / or distance – use and store well away from naked flames and ignition sources.
- c) Vessel Containment Controls – Store and use in closed vessels where possible to avoid solvent release to atmosphere and work areas.
- d) Enclosure of sources of substances to the maximum extent possible - Not for use in confined spaces without appropriate extraction or ventilation.
- e) Mechanical handling to reduce human contact with substance - The use of forklifts to load/unload drums and/or pallets should be used whenever possible.
- f) Is a Local Exhaust Ventilation System required? – Where possible, vapours are to be extracted.
- g) Dilution Ventilation - In open areas mechanical ventilation is not normally required. In enclosed areas, provide sufficient dilution exhaust ventilation to minimise exposure levels and flammable vapour concentrations.

### **PERSONAL PROTECTION:**

Respiratory protection - In poorly ventilated areas, a respirator suitable for organic vapours should be used. Air supplied respirators should be used in areas with inadequate oxygen and high vapour concentrations.

Glove type - PVC gloves should be used when handling material.  
 Eye protection - Use close fitting chemical safety goggles, otherwise use safety glasses fitted with side shields. If splashing is possible use a face shield over safety glasses as added protection.

Clothing protection – Wear industrial-type work clothing and safety footwear.

## **Section 9: Physical and Chemical Properties**

### **PHYSICAL DESCRIPTION/PROPERTIES**

<b>APPEARANCE:</b>	Black paint – characteristic odour	
<b>PACK SIZE(S):</b>	20 lt, 205 lt	
<b>BOILING POINT (°C):</b>	> 149	
<b>MELTING POINT (°C):</b>	Not Applicable	
<b>VAPOUR PRESSURE (KILOPASCALS) :</b>	<3.3	
<b>SPECIFIC GRAVITY @ 25 °C:</b>	0.92	
<b>SOLUBILITY IN WATER (% BY WT.):</b>	Not soluble	
<b>FLASH POINT (°C)-METHOD:</b>	38 (closed cup)	
<b>FLAMMABILITY LIMITS IN AIR (% VOLUME):</b>	<b>LOWER</b>	<b>UPPER</b>
	0.4	7

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### Section 10: Stability and Reactivity

#### OTHER PROPERTIES

<b>SHOCK SENSITIVITY:</b>	Not Applicable	<b>CORROSIVENESS:</b>	Not Applicable
<b>OXIDISING PROPERTIES:</b>	Avoid Oxidising Agents	<b>REACTIVITY:</b>	stable
<b>AUTOIGNITION TEMPERATURE:</b>	250 C	<b>BULK DENSITY:</b>	Not Applicable
<b>SOLUBILITY in ORGANIC SOLVENTS:</b>	Soluble	<b>ODOUR THRESHOLD:</b>	
0.042			
<b>% VOLATILE ORGANIC COMPOUNDS:</b>	50	<b>VAPOR DENSITY (AIR=1) =</b>	
16.0			
<b>EVAPORATION RATE (BUTYLACETATE=1):</b>	Slow		
<b>pH:</b>	Not applicable		

### Section 11: Toxicological Information

#### EXPOSURE STANDARDS:

TWA for bitumen vapours = 5mg/M<sup>3</sup>

TLV for Liquid Hydrocarbons = 100 ppm

Xylenes (approx 40% of hydrocarbon solvent content) TWA 80ppm, STEL 150ppm

#### HEALTH EFFECTS:

##### ACUTE:

**SWALLOWED:** Ingestion of material may cause gastrointestinal disturbance, including irritation, nausea and vomiting.

**EYES:** Direct eye contact may cause irritation and or corneal changes.

**SKIN:** Contact with skin may result in skin reactions.

**INHALATION:** Inhalation of vapours may cause headaches and/or dizziness. Overexposure to vapour may result in respiratory tract irritation. Threshold limit value for Liquid Hydrocarbons is approx. >100 ppm.

**CHRONIC:** Over exposure to high vapour concentration may cause irregular breathing, collapse and coma.

### Section 12: Ecological Information

**Do not allow product to enter waste water, rivers or creeks.**

Not determined as a marine pollutant. Will form a slick on top of water until solvent evaporates. Residual bitumen is non toxic and non soluble in water.

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### Section 13: Disposal Considerations

#### Disposal Methods:

Wherever possible, reprocess or recycle any reclaimed material to reduce waste.

- Contained spills need to be soaked up and disposed into a metal container (avoid using plastic containers).

- Once dry, the absorbed material may be disposed of as solid waste in conformity with the requirements of the Regulatory Authorities.

### Section 14: Transport Information

#### Road and Rail Transport:

**U.N. Number: 1999**

**Proper Shipping Name:** Tars, liquid, including oils and cutback bitumen

**DG Class: 3**

**Hazchem Code: 2W**

**Packing Group: III**

### Section 15: Regulatory Information

#### Australian Dangerous Goods Code

**Class: Class 3 PG III**

**U.N. Number: 1999**

**Proper Shipping Name: Cutback Bitumen**

#### SUSDP

**Poisons Schedule: S5**

#### Storage

**AS1940 AND AS3833 FOR STORAGE REQUIREMENTS**

### Section 16: Other Information

**Contact Person:** General Manager, Protectex Pty Ltd  
02 9756 2604  
After hours 0404117906

This Material Safety Data Sheet has been compiled in accordance with the Worksafe Australia National Code of Practice for the preparation of Material Safety Data Sheets {NOHSC: 2011 (2003)}.

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Where applicable specific chemical composition details are provided to allow the product to be classified according to UN Number, HAZCHEM coding etc.

The information contained herein is based on the data available to PROTECTEX PTY LTD from both our technical sources and from recognized published references and is believed to be both accurate and reliable.

PROTECTEX PTY LTD has made no effort to censor nor to conceal deleterious aspects of this product. Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and confirm whether they are appropriate.

Due care should be taken to make sure that the use or disposal of the product is in compliance to the appropriate Federal, State, and Local Government regulations.

**END OF MSD**