

Material Safety Data Sheet

BITUNAMEL PRIMER QDP

Classified as hazardous according to criteria of NOHSC.

Bituminous Products Pty Ltd
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Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Bitunamel Primer QDP

UN No.: 1999

OTHER NAMES:

DANGEROUS GOODS CLASS: 3

MANUFACTURER'S PRODUCT CODE: 220-2510

SUB RISK: N/A

PACKAGING GROUP: III

HAZCHEM: 2W

METHOD OF APPLICATION: Roller, brush or spray

POISONS SCHEDULE: NOS

RECOMMENDED USE: General usage bitumen cutback asphalt primer.

Section 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION:

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RISK PHRASES:

R11	Highly flammable.
R67	Vapours may cause drowsiness and dizziness.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.

SAFETY PHRASES:

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

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Bitumen	8052-42-4	55 - <65%
Xylenes	1330-20-7	30 - <45%

Section 4: First Aid Measures

SWALLOWED:	Do not induce vomiting. Give a glass of water. SEEK MEDICAL AID.
EYES:	Flush thoroughly with water for at least 15 minutes. IF IRRITATION PERSISTS, SEEK MEDICAL AID.
SKIN:	Remove contaminated clothing. Wash skin thoroughly with soap and water.
INHALATION:	Remove from exposure. Apply artificial respiration if not breathing. SEEK MEDICAL AID.
FIRST AID FACILITIES:	First Aid kit to be located on site at all times.
ADVICE TO DOCTOR:	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. Carbon Monoxide and Carbon Dioxide will be formed if the product is ignited.

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 unventilated areas.

HAZCHEM CODE

2W

FIRE EXTINGUISHING MEDIA

Dry chemical, foam, carbon dioxide, and fog.

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.

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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 spilt material should be recovered into a sound container.
 - For small spills, all 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

SUB RISK: None Allocated

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.

Section 8: Exposure Controls, Personal Protection

ENGINEERING CONTROLS:

- a) Process modification to eliminate substance – Not Applicable
- b) Segregation of processes from personnel and/or distance – Not Applicable
- c) Vessel Containment Controls – Not Applicable
- d) Enclosure of sources of substances to the maximum extent possible - Not Applicable
- 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? Not required.
- g) Dilution Ventilation - In open areas mechanical ventilation is not normally required. In enclosed areas, provide sufficient dilution exhaust ventilation to minimize exposure limits and flammable vapour concentrations.

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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:

APPEARANCE:	Black paint – characteristic aromatic solvent odour	
PACK SIZE (S):	20lt, 205lt, Bulk	
BOILING POINT (°C):	110	
MELTING POINT (°C):	Not Applicable	
VAPOUR PRESSURE (KILOPASCALS):	Not Applicable	
SPECIFIC GRAVITY @ 25 °C:	0.97	
SOLUBILITY IN WATER (% BY WT.):	Immiscible	
FLASH POINT (°C)-METHOD:	25 Closed Cup	
FLAMMABILITY LIMITS IN AIR (% VOLUME):	LOWER	UPPER
	1	7
	2	

Section 10: Stability and Reactivity

SHOCK SENSITIVITY:	Not Applicable	CORROSIVENESS:	Not Applicable
OXIDISING PROPERTIES:	Avoid Oxidizing Agents	REACTIVITY:	Not available
AUTOIGNITION TEMPERATURE:	Not Applicable	EVAPORATION RATE	
(BUTYLACETATE= 1) : >1		ODOUR THRESHOLD:	Not available
VAPOR DENSITY (AIR=1) =	3	BULK DENSITY:	Not Applicable
pH.:	7 - 8		
% VOLATILE ORGANIC COMPOUNDS:	40		
SOLUBILITY in ORGANIC SOLVENTS:	Soluble		

Section 11: Toxicological Information

HEALTH EFFECTS:

National Exposure Standards: There is no Australian Workplace Standard for this product.

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Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

EXPOSURE STANDARDS:

TWA for bitumen vapours = 5mg/M³

TLV for Liquid Hydrocarbons = 100 ppm

Xylenes (approx 50% of product) TWA 80ppm, STEL 150ppm

TLV for Liquid Hydrocarbons = 100 ppm

ACUTE:

SWALLOWED: Ingestion of material may cause irritation, nausea and vomiting.
EYES: Direct eye contact may cause irritation.
SKIN: Contact with skin may result in skin reactions & drying of skin.
INHALATION: Inhalation of vapours may cause headaches and / or dizziness. Over exposure 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.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD

- 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).
- 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: Cutback Bitumen

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DG Class: 3

Hazchem Code: 2W

Packing Group: III

Section 15: Regulatory Information

Australian Dangerous Goods Code

Classification: Class 3 PG III

SUSDP

Poisons Schedule: None

Storage

AS1940 AND AS3833 FOR STORAGE REQUIREMENTS

Section 16: Other Information

Contact Person: General Manager, Bituminous Products Pty Ltd
02 9772 4433
After hours 0414 499 402

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)}.

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 BITUMINOUS PRODUCTS PTY LTD from both our technical sources and from recognized published references and is believed to be both accurate and reliable.

BITUMINOUS PRODUCTS 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 MSDS