

Material Safety Data Sheet

Bitu-Color

Classified as hazardous according to criteria of NOHSC.

EMERGENCY CONTACT:

(A/H) 0414 499 402

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Neil Morcombe (Bus) 02 9772 4433

PRODUCT NAME: Bitu Color

OTHER NAMES: N/A

MANUFACTURER'S PRODUCT CODE: Bitucolor Paint

PACKAGING GROUP: II

METHOD OF APPLICATION: Spray, Brush, Roller

POISONS SCHEDULE: S6

RECOMMENDED USE: Colouring of Pavements

Section 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Classified as hazardous according to criteria of NOHSC

RISK PHRASES:

- Harmful by inhalation and in contact with skin.
- Irritating to eyes and skin
- Limited evidence of a carcinogenic effect.
- Ingestion may produce health damage*.

* (limited evidence).

- May produce discomfort of the respiratory system*.
- May be harmful to the foetus/ embryo*.
- Cumulative effects may result following exposure*.

SAFETY PHRASES:

- Keep container in a well ventilated place.
- Avoid exposure - obtain special instructions before use.
- To clean the floor and all objects contaminated by this material, use water and detergent
- Keep container tightly closed
- Keep away from food, drink and animal feeding stuffs.
- This material and its container must be disposed of as hazardous waste.
- In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre.
- If swallowed, IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).
- Take off immediately all contaminated clothing

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion
Xylene	1300-20-7	30-60%
Copolymer	mixture	20-40%

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 20 minutes. IF IRRITATION PERSISTS, SEEK MEDICAL AID.
SKIN:	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.

Section 5: Fire Fighting Measures

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.
HAZCHEM CODE:	3[Y]
FIRE EXTINGUISHING MEDIA:	Dry chemical, foam, carbon dioxide and water fog.
SPECIAL FIRE FIGHTING PROCEDURES	As for Class 3 Flammable Liquids. Fire fighters should use breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Vapour/air mixtures may ignite explosively and flashback along vapour trail may occur. Vapours may cause headaches, dizziness, irregular breathing and confusion when inhaled.

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Section 6: Accidental Release Measures

- Do NOT allow the product to enter stormwater drains, sewers 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 spilled material should be recovered into a sound container.
- For small spills, the entire residue should be absorbed onto a suitable absorbent such as earth, sand or proprietary absorbent - For large spills – contain the spill by using booms and absorbent. Inform regulatory authorities immediately (e.g. Fire Brigade, EPA).

Section 7: Handling and Storage

DANGEROUS GOODS CLASS: 3

SUB RISK: None Allocated

Storage as for a manufactured product containing flammable liquid Class 3. Store in areas/buildings designed to comply with the appropriate dangerous goods regulations and Australian Standards. Store in a well ventilated place away from ignition sources, oxidizing agents, foodstuffs and clothing. Protect from physical damage. Keep container closed when not in use. Do not use pressure to empty drums.

Section 8: Exposure Controls, Personal Protection

EXPOSURE STANDARDS:

Short term exposure limit (STEL): (ACGIH)	655ppm (xylene)	651ppm
Time weighted average exposure limit (TWA EL): (ACGIH)	350ppm (xylene)	434ppm

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

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- 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 remain below exposure limits 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 high vapour concentrations (> 10 times exposure limit).

- 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. For sensitive skin that is exposed, apply a coating of Barrier Cream for added protection.

Section 9: Physical and Chemical Properties

PHYSICAL DESCRIPTION/PROPERTIES:

<p>APPEARANCE:</p> <p>PACK SIZE (S):</p> <p>BOILING POINT (°C):</p> <p>MELTING POINT (°C):</p> <p>VAPOUR PRESSURE (KILOPASCALS):</p> <p>SPECIFIC GRAVITY @ 25°C:</p> <p>SOLUBILITY IN WATER (% BY WT.):</p> <p>FLASH POINT (°C)-METHOD:</p> <p>FLAMMABILITY LIMITS IN AIR (% VOLUME):</p>	<p>Coloured Paint</p> <p>20 lt, 205 lt, Bulk</p> <p>> 140°C</p> <p>N/A RESIDUE: >120°C</p> <p>Not applicable</p> <p>0.95 ~ 1.05</p> <p>N/A</p> <p>28°C</p> <p>LOWER</p> <p style="text-align: center;">1</p>	<p>UPPER</p> <p style="text-align: center;">7</p>
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Section 10: Stability and Reactivity

CORROSIVENESS:	Non corrosive
OXIDISING PROPERTIES:	Avoid oxidizing agents
AUTOIGNITION TEMPERATURE:	550 °C
VAPOR DENSITY (AIR=1) =	3.25 @ 15 °C
SOLUBILITY in ORGANIC SOLVENTS:	Soluble
SOLUBILITY IN WATER	Insoluble
% VOLATILE ORGANIC COMPOUNDS:	50
EVAPORATION RATE (BUTYLACETATE=1):	75

Section 11: Toxicological Information

HEALTH EFFECTS:

Possible danger to health if inhaled over prolonged exposure while still in liquid form.

ACUTE: Harmful if swallowed. Aspiration of vapours may lead to chemical pneumonitis.

SWALLOWED: May cause irritation to mouth, throat and digestive tract. Large doses may cause drowsiness and may lead to unconsciousness.

EYES: Direct eye contact may cause irritation. If irritation persists after first aid seek medical advice.

SKIN: Contact with skin unlikely to cause sensitivity. Repeated and/or prolonged contact in high concentrations will result in skin irritation.

INHALATION: Inhalation of vapors may cause headaches and/or dizziness. Over exposure to vapour may result in respiratory tract irritation. Repeated

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and/or prolonged contact in high concentration may result in respiratory difficulties.

CHRONIC: Repeated or prolonged contact with skin may cause irritant contact dermatitis.

Section 12: Ecological Information

Environmental Fate: DO NOT discharge into sewer or waterways.

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 and waste recipient.

Section 14: Transport Information

Road and Rail Transport:

ADG U.N. Number : 1262

ADG Proper Shipping Name: Bitucolor

ADG DG Class : III

ADG Hazchem Code: 3Y

ADG Packing Group: 2

Section 15: Regulatory Information

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Classification: Class 3

Poisons Schedule: S6

Packaging & Labelling : III

Section 16: Other Information

Contact Person: General Manager, Transpacific 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 FLEXITEX PTY LTD from both our technical sources and from

recognized published references and is believed to be both accurate and reliable.

FLEXITEX 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.

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