

# HiGrip/ColourTrackack Part B

# SDS

**Product Name:** HiGrip PU Part B  
ColourTrack PU Part B  
**Product Code:** HG-PU-A / CT-PU-A  
**Product Use:** Part A High Friction Coloured and Natural Aggregate Surfacing Systems

## 1. Identification of Supplier

**Date Revised:** June 2022  
**Supplier's Name:** MPS Paving Systems Australia Pty Ltd.  
**Address:** 79-81 Intrepid Street  
Berwick, VIC 3806  
**Phone:** + 61 3 9707 0077  
**Email:** info@mpspaving.com.au

## 2. Hazardous Identification

**Hazard:** Classified as hazardous  
**Classification:** Hazardous Substance  
Non-Dangerous Goods  
Hazard classification according to the criteria of NOHSC  
Dangerous goods classification according to the Australia Dangerous Goods Code  
**Risk Phrase(s):** Classified as hazardous  
R20 Harmful by inhalation  
R36/37/38 Irritating to eyes, respiratory system and skin  
R42 May cause sensitization by inhalation  
**Safety Phrase(s):** S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of soap and water.  
S38 If insufficient ventilation, wear suitable respiratory equipment  
S45 In case of accident or if you feel unwell, seek medical advice immediately

## 3. Composition/ Information on Ingredients

**Chemical:** Liquid

**Characterisation:**

**Ingredients:**

Name	CAS#	Proportion	Hazard Symbol	Risk Phase
Diphenylemethane-4, 4' diisocyanate (MDI), isomers and homologues, blend of	9016-87-9	60-100%		
Modified MDI	-	1-30%		

## 4. First Aid Measures

**Inhalation:** Remove victim from exposure – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical advice.

**Ingestion:** Rinse mouth with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical assistance.

**Skin:** Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice.

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#### 4. First Aid Measures (continued...)

<b>Eyes:</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.
<b>First Aid Facilities:</b>	Poison Information Centres in each State Capital City can provide additional assistance for scheduled poison.
<b>Advice to Doctor:</b>	Treat symptomatically. Effects may be delayed.

#### 5. Fire Fighting Measures

**Specific Methods:** Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. Extinguish fire with the following: powder, water spray, foam, carbon dioxide.

**Specific Hazards:** On burning will emit noxious fumes. Hazardous decomposition products of heating and/or burning: Carbon dioxide, carbon monoxide Oxides of Nitrogen, Isocyanate vapours and hydrogen cyanide. **Decomposition Temp:** On burning will emit toxic fumes including those of nitrogen oxides.

#### 6. Accidental Release Measures

##### Spills & Disposal:

##### For a Large Spill

1. Evacuate unprotected personnel from the area.
2. Wear full protective equipment to prevent skin and eye contamination and inhalation of vapours
3. Contain spill – prevent run off into drains and waterways. Cover with wet soil, wet sand or solid decontaminant
4. Let the material react for 10 minutes
5. Shovel into open-top drums. Further decontaminate if necessary.
6. Wash area with excess water

##### For a Small Spill

1. Wear protective equipment to prevent skin and eye contamination.
2. Treat spill with decontaminant, and let react for 10 minutes.
3. Remove and dispose of residues

#### 7. Handling and Storage

<b>Conditions for Safe Storage:</b>	Store in well ventilated area. Store away from sources of heat or ignition. Store away from food stuffs. Keep dry – reacts with water; may lead to drum rupture. Keep containers closed at all times.
<b>Storage Regulations:</b>	Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>Storage Temperatures:</b>	Recommended storage temperature 20 – 25 deg
<b>Other Information:</b>	In accordance with good manufacturing practices, good general ventilation of the processing area is recommended. The reaction of polyols and isocyanates generate heat.

#### 8. Exposure Controls / Personal Protection

<b>Engineering Controls:</b>	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local ventilation or while wearing air supplied mask. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.
<b>Respiratory Protection:</b>	Always use air supplied respirator if inhalation risk exists.
<b>Eye Protection:</b>	Safety glasses (if splashing is possible wear chemical goggles or full face shield).
<b>Hand Protection:</b>	PVC, neoprene or nitrile rubber gloves.
<b>Personal Protection Equipment:</b>	No special precautions required.
<b>Footwear:</b>	Boots
<b>Body Protection:</b>	Overalls or similar protective apparel.
<b>Hygiene Measures:</b>	Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing before storing or re-using.

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## 8. Exposure Controls / Personal Protection (continued...)

<b>Other Exposure Info:</b>	No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia). For constituent: Exposure Standard: Isocyanates, all (as-NCO) TWA 0.02mg./m <sup>3</sup> Notices 'Sen' 'Sen' notice – sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance. TWA – the Time-weighted Average airborne concentration over an eight-hour working day, for a fiveday working week an entire working life. STEL – (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which is not be exceeded at any time during a normal eight-hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
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## 9. Physical and Chemical Properties

<b>Form:</b>	Liquid
<b>Appearance:</b>	Brown Liquid
<b>Odour:</b>	Earthy, musty
<b>Decomposition Temp:</b>	On burning will emit toxic fumes including those of nitrogen oxides
<b>Melting Point:</b>	Not Applicable
<b>Boiling Point:</b>	Not Applicable
<b>Solubility in Water:</b>	Insoluble. Reacts
<b>Solubility in Organic Solvents:</b>	Soluble in many organic solvents.
<b>Specific Gravity:</b>	1.22 at 20 Deg C
<b>pH Value:</b>	Not Applicable
<b>Vapour Pressure:</b>	0.0065 kPa at 20 Deg C
<b>Viscosity:</b>	Approx. 90 cps @ 25°C
<b>Flash Point:</b>	> 195°C
<b>Flammability:</b>	Combustible
<b>Flammable Limits - Lower:</b>	Not available

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## 10. Stability and Reactivity

**Incompatible Materials:** Will react exothermically with water and all organic compounds containing reactive hydrogen groups.  
**Hazardous Reactions:** The reaction with water producing CO<sub>2</sub> gas can result in the hazardous build-up of pressure in contaminated drums that are re-sealed.

## 11. Toxicological Information

**Inhalation:** The vapour is an irritant to the mucous membranes and respiratory tract. Respiratory sensitizer.

Inhalation of mists or aerosols may produce respiratory irritation.

Symptoms may include irritation of the eyes, nose, throat and lungs, possibly with dryness of the throat, tightness of the chest and difficulty breathing.

**Ingestion:** May cause gastric irritation

## 11. Toxicological Information (continued...)

**Skin:** Contact with skin will result in mild irritation. Repeated or prolonged skin contact may lead to dermatitic effects.  
Animal studies have shown that respiratory sensitization can be induced by skin contact with known respiratory sensitizers including diisocyanates.

**Eye:** A severe eye irritant. May cause conjunctivitis

**Chronic Effects:** There have been reports that chronic exposure by inhalation may result in a permanent decrease in lung function.

## 12. Ecological Information

**Environment Protection:** Do not allow material to enter drains or waterways.

## 13. Disposal Considerations

**Waste Disposal:** Empty containers must be decontaminated and destroyed. Normally suitable for incineration by approved agent.  
Refer to State Land Waste Management Authority

## 14. Transport Information

**Transport Information:** Not defined as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## 15. Regulatory Information

**Poisons Schedule:** S6

**Hazard Category:** Harmful, Irritant

## 16. Other Information

**Contact Person/Point:** MPS Paving Systems Australia Pty Ltd – Technical Support: +61 3 9707 0077  
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